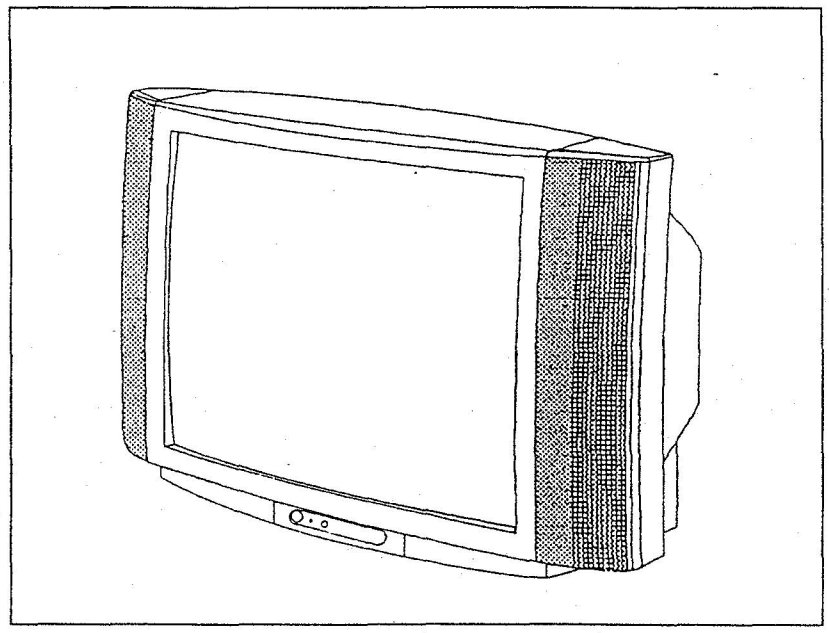
NECKERMANN PALLADIUM



765/325 765/368
765/384

Bestell-Nr.
110765368
Bezeichnung 230997
SERVICEMANUAL PC 1
Preis
025 003 NNNLSNN
Komm.-Nr. Lagerort
FA 010 09173 02

COLOR TELEVISION

SERVICE MANUAL

Cod. 931995430

GENERAL FEATURES

CHASSIS	- Series PC100 "cold" modular type electrically separated from mains
POWER SUPPLY	- 220V +/- 10%, 50/60Hz
MUSIC POWER	- 20 + 20 Watt 2 Loudspeakers 4 Ohm
EHT	- 29 KV
MAX BEAM CURRENT	- 1,4 mA
PICTURE TUBE	- 25" FLAT (765/368) 28" MP (765/384) 29" SUPERFLAT (765/325)
ANTENNA INPUT	- 75 Ohm DIN 45325-2
TUNER	- Varicap type with hyperband
TUNING SYSTEM	- Electronic frequency synthesis type and On-Screen-Display
PROGRAM PRESELECTION	- 90 storable programs
EXTERNAL IN/OUTPUTS	- Headphone Jack Audio/Video frontal input (cinch socket) 2 Peritelevision (SCART) connection type EN 50049 Cinch socket for audio output
RECEPTION STANDARD	- C.C.I.R. PAL B-G
TELETEXT	- 100PG, TOP, FLOF

SAFETY NOTE

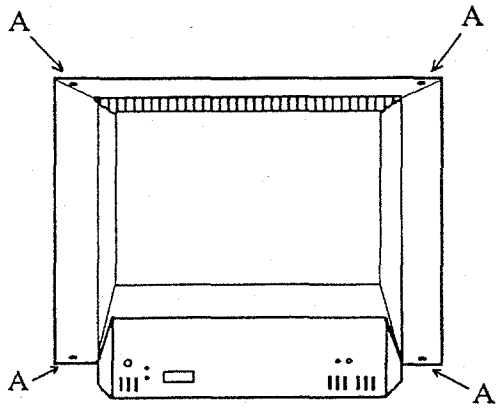
-Do not accidentally touch that part of chassis supply not electrically separated from mains.
-Do not install, remove, or handle the picture tube unless shatter-proof goggles are worn and install, remove or handle only after having kept away people not so equipped
-Before returning a serviced receiver to the customer, the service technician must thoroughly test the unit to be certain that it is completely safe to operate without danger of electrical shock, and be sure that no protective device built into the set by the manufacturer has become defective or inadvertently defected during servicing.

Therefore following checks are recommended:
-**Insulation.** Resistance should not be less than 2M Ohm at 500 V DC between the mains poles and any accessible metal parts.
-**High voltage.** High voltage should not be kept higher than the rated value indicated on the receiver's back panel. Operating at higher voltage may cause failure of the picture tube or of high voltage supply.

Furthermore, in no case whatsoever must the electrical circuit providing the EHT be altered so as to prevent wrong voltage values from causing ionizating radiations above those allowed by International Standards.

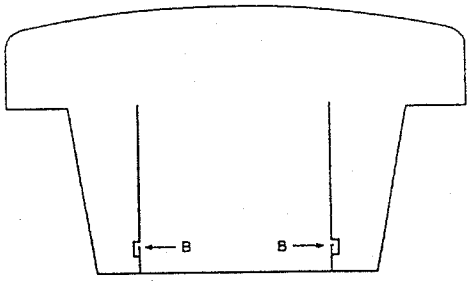
ACCESS TO INTERNAL COMPONENTS

To remove the back panel:
- Unscrew **A** screws.
- Pull the bottom part of the back panel and remove it.



MAIN CHASSIS REMOVAL

- To remove the chassis press the tags **B** towards the hand sides of the cabinet and at the same time pull out the chassis.
- To insert the chassis plug it into the appropriate guides and press it till will be locked by the tags **B**.



MAIN COMPONENTS

PC100- Multifunctional chassis including following functional units:

a) Tuning circuit (ST9293)
b) Vertical deflection (TDA8350)
c) Horizontal deflection (TDA8143 - T301)
d) Switch-mode power supply (TEA2261 - T401)
e) 5V and 12V switching circuit (TDA8138A)
f) Audio output circuit (TDA7262 - TDA2822M for headphone)
g) Luminance and chrominance circuit (TDA8376)
h) Video selector (TEA6415C)
i) Audio selector (TEA6422)

PCBS plugged on chassis

FL2472/84	CATV RF unit p.c.b. (38,9 MHz video IF; 33,4 MHz audio IF)
PC101	IF module
PC102	Peritelevision (SCART 2) circuit
PC104	Teletext decoder
PC105	Comb Filter + CTI module (only 765/325)
PC108	CTI circuit (only 765/368 and 765/384)
PC175	Low power stand-by

PCBS plugged off chassis

CRT p.c.b. with video output stages

ICS used and relevant functions

Schematic ref.	Type	P.c.B.	Electronic Functions
CI 1	ST92T93	PC100	Tuning Microcomputer with On-Screen-Display
CI 2	ST24C08-B1	PC100	Non volatile memory
CI 3	MC34064P	PC100	Reset for μP
CI 102	TDA4665	PC100	Delay line
CI 103	TDA8395	PC100	Secam decoder
CI 301	TDA8143	PC100	Horizontal output amplifier
CI 401	TEA2261	PC100	Switch-mode oscillator and control
CI 402	TDA8138A	PC100	5V and 12V stabilizer
CI 403	7808	PC100	8V stabilizer
CI 501	MC44131	PC100	Audio decoder
CI 502	TDA7262	PC100	L & R audio output amplifier
CI 503	TDA2822M	PC100	Audio amplifier for headphone
CI 601	TDA8350	PC100	Vertical output amplifier
CI 901	TEA6422	PC100	Audio selector
CI 902	TEA6415C	PC100	Video input selector
CI 903	TDA8376	PC100	Video decoder
CI 701	TEA5101A		RGB output amplifier
CI 1	TPU3040	PC104	Teletext decoder
CI 2	TC514100	PC104	RAM for teletext
CI 151	TDA4566	PC108	CTI
CI 200	TDA3857	PC101	Audio demodulator
CI 201	TDA8349A-4	PC101	Video demodulator
CI 631	TDA4566	PC105	CTI
CI 634	MC141625A	PC105	Comb filter
CI 635	MC44144D	PC105	Comb filter

Transistors used and relevant functions

Schematic Ref.	Type	P.c.B.	Electronic functions
T 1	BC848B	PC100	Horizontal pulse amplifier
T 2	BC848B	PC100	Vertical pulse amplifier
T 301	S2000AF	PC100	Horizontal output amplifier
T 401	MJF18008	PC100	Switch-mode transistor switch
T 501	BC858B	PC100	Audio amplifier
T 503	BC858B	PC100	Audio amplifier
T 504	BC848B	PC100	Muting audio
T 505	BC847B	PC100	Muting audio
T 701	BC558B		Red output amplifier
T 702	BC558B		Green output amplifier
T 703	BC558B		Blu output amplifier
T 901	BC858B	PC100	
T 902	BC858B	PC100	
T 903	BC848B	PC100	
T 904	BC848B	PC100	Emitter follower
T 905	BC635	PC100	Emitter follower
T 951	BC548B	PC102	Video amplifier
T 952	BC327/25	PC102	Video amplifier

ADJUSTMENT PROCEDURE FOR PC100 CHASSIS

Power Supply

Operating conditions: - Contrast and Brightness to minimum level (I beam = 0).

Operations: - Adjust P401 for 155 V ± 0,5 V on TP7.

Video and Audio IF

Operating conditions: - Apply a intermediate frequency (IF) signal to the SAW filter and adjust L505 for the better video response on TP14.

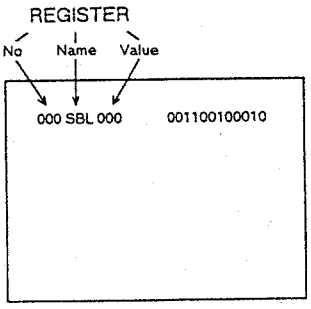
Operations:
- Adjust L204 (5,5 MHz trap) for minimum 5,5 signal on TP14.
- Adjust L200 for minimum video signal on TP8.
- Adjust L202 (5,5 MHz) and L201 (5,74 MHz) for maximum output, respectively on TP4 and TP6.
- Adjust L501 (carrier wave at 54,7 kHz) for maximum signal on TP81.

Top AGC

Tune a band III channel with an 1 mV amplitude and adjust P200 for 8,5V ± 0,2V on TP60.

SERVICE MODE

All adjustment related to geometry and video amplifier are carried out with remote control in "Service" mode. To enter "Service" mode switch-on the CTV set, push, at the same moment, V+/V- push buttons on the CTV front panel and the switch-off pushbutton of the remote control; on the screen will be displayed the register to be set and the relevant value. Selection of the function to be adjusted can be made with P+ and P- pushbuttons and adjustment can be made with Vol+ and Vol- pushbuttons. To memorise adjustments, push ⊡ button of remote control.



Geometry Adjustments

Operating conditions: - tune a channel with a test pattern signal and pre-adjust focusing and G2.
- Adjust colour saturation, contrast and brightness to obtain normal picture.
- Enter "Service mode" as already explained.

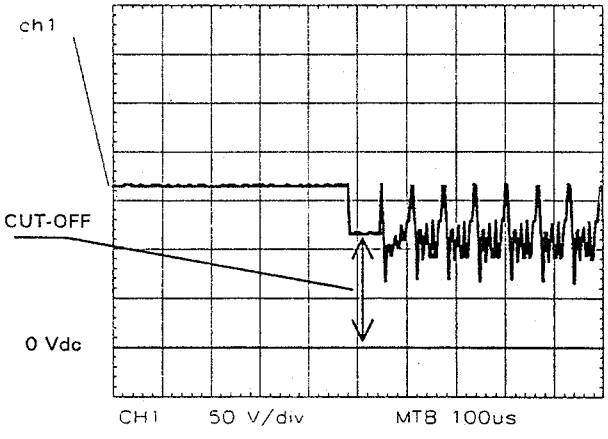
Operations: - Set-in the "Vertical Blanking" setting to 001 the of 000 SBL register.

- Adjust the blanking vertical position in the center of the screen adjusting value of register 001 VSH.
- Adjust "Vertical Slope" (003 VS) till the central line of the "circle" is visible for an half.
- *Get-out from "Service Blanking" setting the 000 SBL register to 000.*
- Adjust vertical amplitude (002 VA) and linearity (004 SC).
- Adjust parabola amplitude (006 PW) and "corner correction" (007 CP).
- Adjust "horizontal position" (009 HS), "horizontal amplitude" (005 EW) and "trapezoidal correction" (008 TC).
- Memorise adjustments pushing [···] button of the remote control.

Video Amplifier Adjustments

Carry out following adjustments after deflections adjustments (geometry); set as to be switched-on for 15-20 min. before adjustments.

Operating conditions:
- Set tuned on white/black picture and Contrast and brightness at minimum setting.
- Select the higher cut-off pulse on video vertical blanking (among TP53 - TP54 - TP55) and adjust it to 140V_{DC} with G2 potentiometer on EHT transformer.



Operations:
- Adjust Brightness and Contrast for a normal picture.
- Enter the "Service" mode and control that the value of the Red gain (011 WPR) reach 040.
- Adjust the Green gain (012 WPG) and Blue gain (013 WPB) till white reach desired tonality.
- Memorise adjustments pushing [···] button of the remote control.

Focus Adjustment

Adjust focus voltage, adjusting related potentiometer of the EHT transformer, to obtain best focusing of picture on the entire screen.

SPARE PARTS LIST

MODELS:

a.	765/325	85506400x *
b.	765/368	85506240x *
c.	765/384	85506300x *

Ass'y	*Code Number*	*Description*	*PK*	*a*	*b*	*c*
PC100	805260000	Main chassis	09F	•		
PC100	805255000	Main chassis	09C		•	
PC100	805256000	Main chassis	09A			•
PC101	804803002	IF module	06P	•	•	•
PC102	804827004	"Scart 2" module	05B	•	•	•
PC104	804862104	Teletext Decoder	06T	•	•	•
PC105	805158002	CTI + Comb-filter module	07C	•		
PC108	804883000	CTI module	05R		•	•
PC175	805212000	Low power stand-by module	06P	•	•	•
ST5	792463000	Remote control	06F	•	•	•
	712141000	29" 108° Picture tube	09L	•		
	712156000	25" 110° Picture tube	09C		•	
	712111000	28" 110° Picture tube	09E			•
	804221000	Degaussing coil	05E	•		
	805143000	Degaussing coil	05C		•	
	805144000	Degaussing coil	05C			•
	732121000	4 ohm Loudspeaker	05H	•	•	•
	752012000	Battery 1,5v (2 pieces)	02M	•	•	•
	692071100	Supply cable	04S	•	•	•
	469140000	Owner's manual	03N	•	•	•

* Technical code of TV model findable on the back cover.
The last not significative number can be change.

Ref.	Code Number	Description			P. K.
	805260000	MAIN CHASSIS PC100			
PC101	804803002	IF MODULE			06P
PC102	804827004	SCART 2 BOARD			05B
PC104	804862104	TELETEXT DECODER			06T
PC105	805158002	CTI MODULE			07C
C-2-509-546	512175000	CEN'220U	M	16V ->	01L
C-103-109	930073665	CEN'47U	M	16V ->	01F
C-121-137-435-604	930073161	CEN'1U0	M	100V	01F
C-123-127-510-536-537-552-915	930071451	CEN'100U	M	25V ->	01G
C-133-513-514-521-522-916-917	930073468	CEN'10U	M	63V +>	01G
C-303	512278000	CEN'220U	M	25V +>	01M
C-304	930074042	CFN'47N	K	63V	01F
C-305	512275000	CRB 220U	M	I.R.16V 105Õ	01V
C-306-312	532156000	CPM 560N	J	250VP225	02Z
C-307-322-710	930072109	CEN'2U2	M	250V +>	01P
C-309	532486000	CTS 12N	J	2KV 22.5	02F
C-310	930073145	CTS 27N	J	630V/1KV	02G
C-311	532375000	CTS 2N7	J	2KV P225	02L
C-321	930072962	CPM 680N	K	250VP225	02U
C-401	930072229	CFS 470N	M	275VCA	02Z
C-402	930073653	CMM 47N	K	630V P15	01N
C-407	512308000	CEF 220U	M	400V D25	05C
C-409-523-524-538-539-912	930074048	CFN'220N	K	63V	01N
C-411	930073163	CEN'2U2	M	63V +>	01E
C-414	512305000	CEN'330U	M	25V ->	01Z
C-415	532245000	CTS 1N5	J	1,5KV 15	02K
C-419	930072138	CCS 2N2	M	400/4KV	02M
C-421	930070834	CRA 100U	M	250V105Õ	03Q
C-423-426-437	522647000	CCN'270P	M	1KV 2B4	01L
C-424-601	930072983	CRB 1000U	M	25V	02E
C-427	512214000	CRB 2200U	M	16V	02K
C-429	512169000	CRB 2200U	M	35V SUB.	03G
C-433-438-442	930073743	CEN'47U	M	25V +>	01F
C-436	532446000	CTS 220P	J	1KV6	02D
C-5-439-907	512115000	CEN'22U	M	16V +>	01F
C-502-530	930073167	CEN'4U7	M	63V +>	01F
C-505	930073663	CEN'4U7	M	63V ->	01E
C-534	512243000	CRB 3300U	M	35V T=5	03N
C-540-543	930073427	CRB 1000U	M	35V	02H
C-544	512246000	CEN'470U	M	16V ->	01S
C-545	930070824	CEN'220U	M	16V +>	01L
C-602	512300000	CEN'100U	M	63V ->	01Z

Ref.	Code Number	Description	P.K.
C-315-515-516-610	532276000	CFN'100N K 63V	01H
C-667	930072127	CFN'1U0 K 50V	02K
C-704	512290000	CEN'22U M 16V ->	01E
C-706	930073506	CMM 100N K 250V P10	01Q
C-712	522625000	CAT 2N2 M 2KV	01P
C-713	930072241	CFN'4N7 K 63V	01H
C-714	532329000	CMM 22N K 250VP7,5	01M
C-715	930073833	CRA 10U T 250V	01Z
C-8-11-533-551	930073747	CEN'100U M 25V +>	01G
C-922-923-925-926	512276000	CEN'10U M 63V ->	01F
C417	512233000	CEN'47U M I.R.50V +>	02B
CH-1-301-902	930071276	BNA-10UH K	01Q
CH-302	930071316	BLI X DEF.110Õ	03R
CH-303	612699000	BPO 920UH 7%	04B
CH-404	612665000	BNA-2,2UH K	01P
CH-405	612680000	BCH 39UH K P=5	02D
CH-501	612479000	BNA-15UH K	01P
CH-601	612555000	BCH 15MH 15% E/W	03N
CH-901	930072106	BNA-22UH J	01N
CI-1	931590079	CI ST92T93J9B1 OTP DIP42	06U
CI-2	931590078	CI ST24C08-B1	04L
CI-3	592835000	CI MC34064P	03A
CI-102	592986000	CI TDA4665	04G
CI-103	592899000	CI TDA8395	04Z
CI-301	592783000	CI TDA8143	03S
CI-401	592679000	CI TEA2261	04B
CI-402	592834000	CI TDA8138A (HEPTAWATT)	03S
CI-403	592984000	CI 78M08CX 0.5A SOT82	02V
CI-501	592787000	CI MC44131	05M
CI-502	592788000	CI TDA7262	04L
CI-503	592644000	CI TDA2822M	03A
CI-601	592900000	CI TDA8350 SOT141BEC	04K
CI-701	592647000	CI TEA5101A	04B
CI-901	592985000	CI TEA6422	04H
CI-902	592792000	CI TEA6415C DIP20	04H
CI-903	592901000	CI TDA8376	06G
D-1-502-505	930074457	DSC-1N4148	01B
D-2-7-102-103-104-105-409-501-503-504-701-702-703	582243000	DCM.LL4148/F	01D
D-303-306-601-602	930074085	DSC-BA157 VR400 IF1/9A	01F
D-304	930070797	DRV BY228 VR1500IF5/10A	02L
D-305	582186000	DRV BYW95C VR600 IF3/70A	02G
D-401-402-403-404-704	930074478	DSR-1N4006 IFSM 50A	01E

Ref.	Code Number	Description	P. K.
D-411	582257000	DSR-1N4934	01K
D-412	582258000	DRV MUR4100E	03D
D-413	582179000	DRV-BYV95C VR600 I1,5/35A	01T
D-414-415	582219000	DRV-BYV27/100 I=2A	02F
D-416	582259000	DRV MUR415	02G
DL-1	582221000	DLD LED D=3 GREEN/RED	02G
DT-401	572328000	TDC=DTC143EK-146 SOT23	01N
DZ-401	582294000	DZE-ZPD3V0	01D
DZ-402	930070796	CI -ZTK33A 30-32V	02H
DZ-601	582293000	DZE-ZPY36	01G
F-401	652035000	FUSE 2A T 250V 5X20	01M
I-401	672098000	POWER SWITCH SH RB4A/120A-	03Z
CN1-CN4-CN9-CN33 (CN9-33 FOR PIP)	682615000	3 WAYS CONNECTOR	01K
CN34 -CN35	682586000	5 WAYS CONNECTOR P=2,5 MINI	01F
CN42-CN951	682692000	7 WAYS CONNECTOR P2 M V	01N
IR-1	792295100	INFRARED RECEIVER LTM-9034A	04E
TS1	672115000	FRONT TACT SWITCH (KEYBOARD)	03R
CN28 CN29	682438000	8 WAYS CONNECTOR P=2,5 WH8D-1	01L
CN43	682613000	5 WAYS CONNECTOR	01L
L-501	612618000	BSC 54,7KHZ 7X7 DM9006SC	02N
P-401	552281000	PTO 470R J 0,1W P5	01Z
FOR F-401	930076491	POR 6,3A 250V P=22,5	01H
FOR DL-1	483147100	LED SUPPORT	01K
PO-401	543138000	PTC 260VRMS I.MIN.>6A	03M
PR-3	682766000	HEADPHONE AU/VI 3V H6,5 RCA	03R
PR-4	682765000	SOCKET S-VHS 4 WAYS	04B
PR-6	682675000	SOCKET CHINC HI-FI	03G
PR1	682502000	PRJ STEREO DI3.5MM	03P
PS-1	930702205	SCART SOCKET .EN50049	02N
Q-1	792297000	8MHZ QUARTZ HC49/U (20PF)	03C
Q-101	792451000	3579,545KHZ HC49/U	03N
Q-102	792452000	4433,619KHZ QUARTZ HC49/U	03N
Q-501	792255000	437KHZ FILTER CSB437	02T
Q-632	792213000	17734.47KHZ QUARTZ P5 T=5	03H
R-30-31-101-105-108-109-429-515-602	930070342	RFU-4R7 J 0,3W	01K
R-301	544263000	RSM-R1 J 1W	01K
R-304	542929000	RPM 27R J 2W	01H
R-305	544243000	RSM-10R J 1W	01G
R-307	544230000	RPA 4R7 J 5WP15H15	02Q
R-308	544231000	RPA 6K8 J 5WP15H15	02S
R-309	930071145	RFU 1K5 J 1W	01U
R-317	543131000	RFU-8R2 J 0,5W	01Q
R-318-406-416-421-726	930070121	RFU-R10 K 0,4W	01N

Ref.	Code Number	Description	P. K.
R-401	543915000	RFA 4R7 K 4W	02M
R-403	544450000	RPM-6R8 J 2W	01M
R-408-321	544445000	RSC-4R7 J 1W	01N
R-409	544462000	RPA 1K0 J 10W T=25	03B
R-412	544302000	RSM R22 J 2W	01T
R-413	930071086	RAI 10M J 1W	02C
R-414	542468000	RPM 150R J 2W	01H
R-415	930070416	RPM 27K J 2W	01E
R-419-707-709-711	543721000	RPM 39K G 2W	01M
R-424	543089000	RPM 270K J 2W	01M
R-425	544225000	RPM 15R J 2W	01L
R-428	544184000	RSM-22R J 1W	01H
R-541-728-602	543061000	RFU-10R J 0,3W	01K
R-601	543879000	RPM R47 K 2W	01U
R-613	930071242	RPM-10R J 2W	01S
R-732	542370000	RFU-100R J 0,3W	01T
CN19	682151000	3 WAYS CONNECTOR P5 M	01H
CN23	682614000	2 WAYS CONNECTOR P2 M	01H
CN31	682678000	2 WAYS CONNECTOR P7,62M V	02H
CN37	682688000	2 WAYS CONNECTOR P2,5M L.V	01L
CN39	682689000	4 WAYS CONNECTOR P2,5M V	01M
CN8	682153000	4 WAYS CONNECTOR P5 M V	01K
T-1-2-504-903-904	572282000	TNC BC848/B NPN 1K	01G
T-301	572280000	TR S2000AF	04D
T-401	572312000	TR MJF18008 NPN	04A
T-501-503-901-902	572294000	TNC BC858B PNP 3K	01F
T-701-702-703	930071230	TRN'BC558B PNP EM.>	01D
T-905	572239000	TRN'BC635 NPN BA.>	01M
T-505	572264000	TNC=BC847B NPN 1F	01E
TR-301	632095000	EHT TRANSFORMER	06L
TR-401	612648000	BFR 2X28MH +/-30%T	04D
TR-402	622155000	SWITCH MODE	05G
TRC1	682598200	CRT SOCKET (B10-277)	03Q
TUNER	882239000	TUNER UNIT	06Q
FOR CI.-2	930701036	8 PIN CI SOCKET P2.54	01K
TOTAL ASSY	**805255000**	**TE. TESI +CTI TSL. PC100**	
	882239000	TUNER UNIT	06Q
PC101	804803002	IF BOARD	06P
PC102	804827004	SCART 2 BOARD	05B
PC104	804862104	TELETEXT DECODER	06T
PC108	804883000	VIDEO CTI FOR TESI	05R
C-103-109	930073665	CEN'47U M 16V ->	01F
C-121-137-435-604	930073161	CEN'1U0 M 100V +>	01G

Ref.	Code Number	Description			P.K.
C-123-127-510-536-537-552-601-915	930071451	CEN'100U	M	25V ->	01G
C-133-513-514-521-522-916-917	930073468	CEN'10U	M	63V +>	01G
C-2-509-545-546	512175000	CEN'220U	M	16V	01L
C-303	512278000	CEN'220U	M	25V +>	01M
C-304	930074042	CFN'47N	K	63V	01F
C-305	512275000	CRB 220U	M	I.R.16V 105Õ	01V
C-306-321	532127000	CPM 470N	J	250VP225	02S
C-307-322-710	930072109	CEN'2U2	M	250V	01P
C-309	532421000	CTS 11N2	J	2KV 22.5	02S
C-310	532383000	CTS 22N	J	1KV P225	02R
C-312	930072962	CPM 680N	K	250VP225	02U
C-401	930072229	CFS 470N	M	275VCA	02Z
C-402	930073653	CMM 47N	K	630V P15	01N
C-407	512307000	CEF 150U	M	400V D25	04K
C-409-523-524-538-539-912	930074048	CFN'220N	K	63V	01N
C-411	930073163	CEN'2U2	M	63V +>	01E
C-414	512305000	CEN'330U	M	25V ->	01Z
C-415	532245000	CTS 1N5	J	1,5KV 15	02K
C-419	930072138	CCS 2N2	M	400/4KV	02M
C-421	930070834	CRA 100U	M	250V105Õ	03Q
C-423-426-437	522647000	CCN'270P	M	1KV 2B4	01L
C-424	930072983	CRB 1000U	M	25V	02E
C-427	512214000	CRB 2200U	M	16V	02K
C-429	512169000	CRB 2200U	M	35V SUB.	03G
C-433-438-442	930073743	CEN'47U	M	25V +>	01F
C-436	532446000	CTS 220P	J	1KV6	02D
C-5-439-907-704	512115000	CEN'22U	M	16V +>	01F
C-502-505-530	930073663	CEN'4U7	M	63V ->	01F
C-534	512243000	CRB 3300U	M	35V T=5	03N
C-540-543	930073427	CRB 1000U	M	35V	02H
C-544	512246000	CEN'470U	M	16V ->	01S
C-602	512300000	CEN'100U	M	63V ->	01Z
C-315-515-516-610	532276000	CFN'100N	K	63V	01H
C-706	930073506	CMM 100N	K	250V P10	01Q
C-712	522625000	CAT 2N2	M	2KV	01P
C-713	930072241	CFN'4N7	K	63V	01H
C-714	532329000	CMM 22N	K	250VP7,5	01M
C-715	930073833	CRA 10U	T	250V	01Z
C-8-11-533-551	930073747	CEN'100U	M	25V +>	01G
C-922-923-925-926	512276000	CEN'10U	M	63V ->	01F
C417	512233000	CEN'47U	M	I.R.50V +>	02B

Ref.	Code Number	Description	P. K.
CH-1-301-902	930071276	BNA-10UH K	01Q
CH-302	612656000	BLI X DEF.110Õ 704237/90	03S
CH-303	612527000	BPO 1,6 MH 7%	03T
CH-404	612665000	BNA-2,2UH K	01P
CH-405	612680000	BCH 39UH K P=5	02D
CH-501	612479000	BNA-15UH K	01P
CH-601	612555000	BCH 15MH 15% E/W	03N
CI-1	931590079	CI ST92T93J9B1 OTP DIP42	06U
CI-2	931590078	CI ST24C08-B1	04L
CI-3	592835000	CI MC34064P	03A
CI-102	592986000	CI TDA4665	04G
CI-103	592899000	CI TDA8395	04Z
CI-301	592783000	CI TDA8143	03S
CI-401	592679000	CI TEA2261	04B
CI-402	592834000	CI TDA8138A (HEPTAWATT)	03S
CI-403	592984000	CI 78M08CX 0.5A SOT82	02V
CI-501	592788000	CI TDA7262	04L
CI-502	592787000	CI MC44131	05M
CI-503	592644000	CI TDA2822M	03A
CI-601	592900000	CI TDA8350 SOT141BEC	04K
CI-701	592647000	CI TEA5101A	04B
CI-901	592985000	CI TEA6422	04H
CI-902	592792000	CI TEA6415C DIP20	04H
CI-903	592901000	CI TDA8376	06G
CN1-CN4-CN9-CN33	682615000	3 WAYS CONNECTOR P2 M V	01K
D-1-502-505	930074457	DSC-1N4148	01B
D-2-102-103-104-105-409-501-503-504-701-702-703	582243000	DCM.LL4148/F IN REEL	01D
D-303-306-601-602	930074085	DSC-BA157 VR400 IF1/9A	01F
D-304	930070797	DRV BY228 VR1500IF5/10A	02L
D-305	582186000	DRV BYW95C VR600 IF3/70A	02G
D-401-402-403-404-704	930074478	DSR-1N4006 IFSM 50A	01E
D-411	582257000	DSR-1N4934	01K
D-412	582258000	DRV MUR4100E	03D
D-413	582179000	DRV-BYV95C VR600 I1,5/35A	01T
D-414-415	582219000	DRV-BYV27/100 I=2A	02F
D-416	582259000	DRV MUR415	02G
DL-1	582221000	DLD LED D=3 GREEN/RED	02G
DT-401	572328000	TDC=DTC143EK-146 SOT23	01N
DZ-401	582294000	DZE-ZPD3V0	01D
DZ-402	930070796	CI -ZTK33A 30-32V	02H
DZ-601	582289000	DZE-ZPY33	01G
F-401	652035000	FUSE 2A T 250V 5X20	01M
I-401	672098000	POWER SWITCH RB4A/120A-250VAC	03Z

Ref.	Code Number	Description	P. K.
CN34 CN35	682586000	5 WAYS CONNECTOR P=2,5 MINI	01F
CN42	682692000	7 WAYS CONNECTOR P2 M V	01N
IR-1	792295100	INFRARED RECEIVER LTM-9034A	04E
TS1	672115000	FRONT TACT SWITCH (KEIBOARD)	03R
CN28 CN29	682438000	8 WAYS CONNECTOR P=2,5 WH8D-1	01L
CN43	682613000	5 WAYS CONNECTOR P2 M V	01L
L-200	612697000	BSE 38,9M 7X7 DSG-3004	02M
L-201-202	612696000	BSE 5,62M 7X7 DSG-3005	02K
L-204	612669000	BSE 7X7 5,5MHZ TRAPP.	02N
L-205	612668000	BSE 7X7 38,9MHZ	02P
L-429	930072106	BNA-22UH J	01N
L-501	612618000	BSC 54,7KHZ 7X7 DM9006SC	02N
P-200	552245000	PTO 4K7 M 0,1W V	01Z
P-401	552281000	PTO 470R J 0,1W P5	01Z
FOR F-401	930076491	POR 6,3A 250V P=22,5	01H
FOR DL-1	483147100	LED SUPPORT	01K
PO-401	543138000	PTC 260VRMS I.MIN.>6A	03M
PR-6	682675000	CINCH SOCKET HI-FI	03G
PR-1	682502000	JACK SOCKET STEREO DI3.5MM	03P
PR-3	682766000	JACK SOCKET AU/VI 3V H6,5 RCA	03R
PR4	682765000	SOCKET S-VHS 4VIE	04B
PS-1	930702205	SCART SOCKET EN50049	02N
Q-1	792297000	8MHZ QUARTZ HC49/U (20PF)	03C
Q-101	792451000	3579,545KHZ QUARTZ HC49/U	03N
Q-102	792452000	4433,619KHZ QUARTZ HC49/U	03N
Q-501	792255000	437KHZ FILTER CSB437	02T
R-30-31-101-105-108-109-515-541-901A	930070342	RFU-4R7 J 0,3W	01K
R-301	544263000	RSM-R1 J 1W	01K
R-304	542929000	RPM 27R J 2W	01H
R-305	544243000	RSM-10R J 1W	01G
R-307	544230000	RPA 4R7 J 5WP15H15	02Q
R-308	544231000	RPA 6K8 J 5WP15H15	02S
R-309	930071145	RFU 1K5 J 1W	01U
R-317	543131000	RFU-8R2 J 0,5W	01Q
R-318	544222000	RSM-1R5 J 1W	01P
R-401	543915000	RFA 4R7 K 4W	02M
R-403	544450000	RPM-6R8 J 2W	01M
R-406-416-613	930070121	RFU-R10 K 0,4W	01N
R-408 R-321	544445000	RSC-4R7 J 1W	02C
R-409	544462000	RPA 1K0 J 10W T=25	03B
R-412	544302000	RSM R22 J 2W	01T
R-413	930071086	RAI 10M J 1W	02C
R-414	542468000	RPM 150R J 2W	01H
R-415	930070416	RPM 27K J 2W	01E

Ref.	Code Number	Description	P.K.
R-419-707-709-711	543721000	RPM 39K G 2W	01M
R-424	543089000	RPM 270K J 2W	01M
R-425	544225000	RPM 15R J 2W	01L
R-428	544184000	RSM-22R J 1W	01H
R-601	543879000	RPM R47 K 2W	01U
R-602-728	543061000	RFU-10R J 0,3W	01K
R-726	542307000	RFU-1R0 J 0,4W	01N
R-732	542370000	RFU-100R J 0,3W	01T
R-902A	543644000	RFU-15R J 0,3W	01K
REF. CN27	682728000	20 WAYS CONNECTOR P2.5M H	02P
REF. CN5	682690000	9 WAYS CONNECTOR P2 M V	01P
CN 19	682151000	3 WAYS CONNECTOR P5 M V	01H
CN23	682614000	2 WAYS CONNECTOR P2 M V	01H
CN31	682678000	2 WAYS CONNECTOR P7,62M V	02H
CN37	682688000	2 WAYS CONNECTOR P2,5M L.V	01L
CN39	682689000	4 WAYS CONNECTOR CP2,5M V RIT-CS	01M
CN8	682153000	4 WAYS CONNECTOR P5 M V	01K
T-1-2-504-903-904	572282000	TNC=BC848/B NPN 1K	01G
T-301	572280000	TR S2000AF	04D
T-401	572312000	TR MJF18008 NPN	04A
T-501-503-901-902	572294000	TNC=BC858B PNP 3K	01F
T-701-702-703	930071230	TRN'BC558B PNP EM.>	01D
T-905	572239000	TRN'BC635 NPN BA.>	01M
T-505	572264000	TNC=BC847B NPN 1F	01E
TR-301	632078100	EHT TRANSFORMER	06E
TR-401	612648000	BFR 2X28MH +/-30%	04D
TR-402	622137000	SWITCH MODE TRANSFORMER	05F
TRC-1	682598200	CRT SOCKET (B10-277)	03Q
FOR CI-2	930701036	8 PIN CI SOCKET P2.54	01K
TOTAL ASSY	**805256000**	**TE. TESI 29KV + CTI PC100**	
	882239000	TUNER UNIT	06P
PC101	804803002	IF MODULE	06P
PC102	804827004	SCART 2 BOARD	05B
PC104	804862104	TELETEXT DECODER	06T
PC108	804883000	CTI MODULE	05R
C-103-109	930073665	CEN'47U M 16V ->	01F
C-121-137-435-604	930070828	CEN'1U0 M 100V	01E
C-123-127-215-510-536-537-552-915	930071451	CEN'100U M 25V ->	01G
C-133-513-514-521-522-916-917-204	930073468	CEN'10U M 63V +>	01G
C-2-509-545-546	512175000	CEN'220U M 16V ->	01L
C-303	512278000	CEN'220U M 25V +>	01M

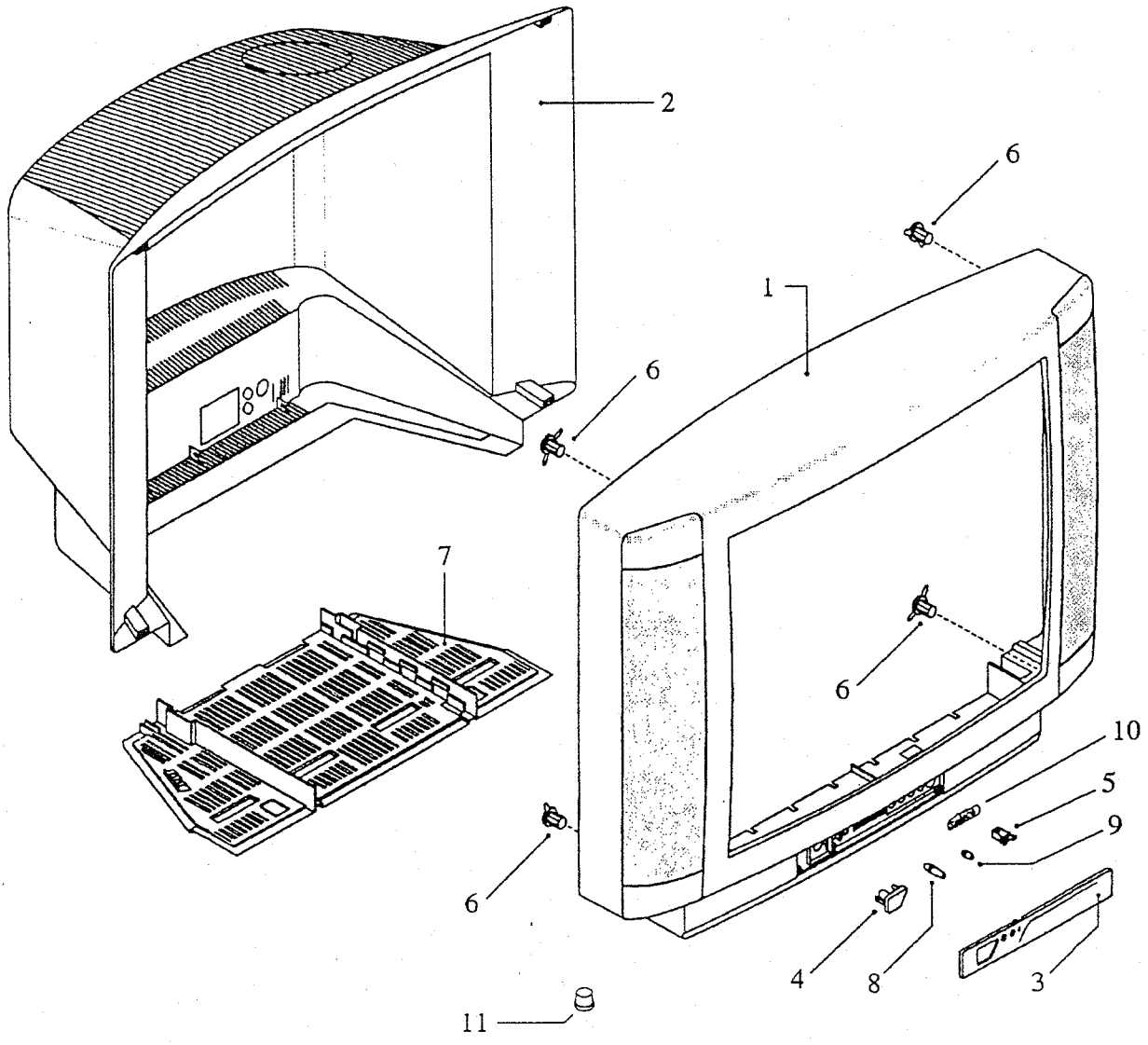
Ref.	Code Number	Description			P. K.
C-304	930074042	CFN'47N	K	63V	01F
C-305	512275000	CRB 220U	M	I.R.16V 105Õ	01V
C-306-312	532156000	CPM 560N	J	250VP225	02Z
C-307-710	512286000	CEN'2U2	M	250V ->	01S
C-309	532421000	CTS 11N2	J	2KV 22.5	02S
C-310	930073145	CTS 27N	J	630V/1KV	02G
C-311	532255000	CTS 1N5	J	2KV P225	02R
C-321	930072962	CPM 680N	K	250VP225	02U
C-322	930072109	CEN'2U2	M	250V +>	01P
C-401	930072229	CFS 470N	M	275VCA	02Z
C-402	930073653	CMM 47N	K	630V P15	01N
C-407	512308000	CEF 220U	M	400V D25	05C
C-409-523-524-538-539-912	930074048	CFN'220N	K	63V	01N
C-411	930073163	CEN'2U2	M	63V +>	01E
C-414	512305000	CEN'330U	M	25V ->	01Z
C-415	532245000	CTS 1N5	J	1,5KV 15	02K
C-419	930072138	CCS 2N2	M	400/4KV	02M
C-421	930070834	CRA 100U	M	250V105Õ	03Q
C-423-426-437	522647000	CCN'270P	M	1KV 2B4	01L
C-424-601	930072983	CRB 1000U	M	25V	02E
C-427	512214000	CRB 2200U	M	16V	02K
C-429	512169000	CRB 2200U	M	35V SUB.	03G
C-433-438-442	930073743	CEN'47U	M	25V +>	01F
C-436	532446000	CTS 220P	J	1KV6	02D
C-5-439-907	512115000	CEN'22U	M	16V +>	01F
C-502-505-530	930073167	CEN'4U7	M	63V	01F
C-534	512243000	CRB 3300U	M	35V T=5	03N
C-540-543	930073427	CRB 1000U	M	35V	02H
C-544	512246000	CEN'470U	M	16V ->	01S
C-602	512300000	CEN'100U	M	63V ->	01Z
C-610	532276000	CFN'100N	K	63V	01H
C-315-515-516					
C-704	512290000	CEN'22U	M	16V ->	01E
C-706	930073506	CMM 100N	K	250V P10	01Q
C-712	522625000	CAT 2N2	M	2KV	01P
C-713	930072241	CFN'4N7	K	63V	01H
C-714	532329000	CMM 22N	K	250VP7,5	01M
C-715	930073833	CRA 10U	T	250V	01Z
C-8-11-533-551	930073747	CEN'100U	M	25V +>	01G
C-922-923-925-926	512276000	CEN'10U	M	63V ->	01F
C417	512233000	CEN'47U	M	I.R.50V +>	02B
CH-1-301-902	930071276	BNA-10UH	K		01Q
CH-951	612676000	BMM.10UH	K	MINIMELF	02G
CH-302	930071316	BLI FOR DEF.110°		FISSA	03R
CH-303	612658000	BPO 1 MH 7%			04M

Ref.	Code Number	Description	P. K.
CH-404	612665000	BNA-2,2UH K	01P
CH-405	612680000	BCH 39UH K P=5	02D
CH-501	612479000	BNA-15UH K	01P
CH-601	612555000	BCH 15MH 15% E/W	03N
CI-1	931590079	CI ST92T93J9B1 OTP DIP42	06U
CI-2	931590078	CI ST24C08-B1	04L
CI-3	592835000	CI MC34064P	03A
CI-102	592986000	CI TDA4665	04G
CI-103	592899000	CI TDA8395	04Z
CI-301	592783000	CI TDA8143	03S
CI-401	592679000	CI TEA2261	04B
CI-402	592834000	CI TDA8138A (HEPTAWATT)	03S
CI-403	592984000	CI 78M08CX 0.5A SOT82	02V
CI-501	592787000	CI MC44131	05M
CI-502	592788000	CI TDA7262	04L
CI-503	592644000	CI TDA2822M	03A
CI-601	592900000	CI TDA8350 SOT141BEC	04K
CI-701	592647000	CI TEA5101A	04B
CI-901	592985000	CI TEA6422	04H
CI-902	592792000	CI TEA6415C DIP20	04H
CI-903	592901000	CI TDA8376	06G
CN1-CN4-CN9-CN33	682615000	3 WAYS CONNECTOR P2 M V	01K
D-1-502-505	930074457	DSC-1N4148	01B
D-2-102-103-104-105-409-501-503-504-701-702-703	582243000	DCM.LL4148/F IN REEL	01D
D-303-306-601-602	930074085	DSC-BA157 VR400 IF1/9A	01F
D-304	930070797	DRV BY228 VR1500IF5/10A	02L
D-305	582186000	DRV BYW95C VR600 IF3/70A	02G
D-401-402-403-404-704	930074478	DSR-1N4006 IFSM 50A	01E
D-411	582257000	DSR-1N4934	01K
D-412	582258000	DRV MUR4100E	03D
D-413	582179000	DRV-BYV95C VR600 I1,5/35A	01T
D-414-415	582219000	DRV-BYV27/100 I=2A	02F
D-416	582259000	DRV MUR415	02G
DL-1	582221000	LED D=3 GREEN/RED	02G
DT-401	572328000	TDC=DTC143EK-146 SOT23	01N
DZ-401	582294000	DZE-ZPD3V0	01D
DZ-402	930070796	CI -ZTK33A 30-32V	02H
DZ-601	582289000	DZE-ZPY33	01G
F-401	652035000	FUSE 2A T 250V 5X20	01M
FC-200	792428000	FI.OA. QPT OFWG3264	04V
FC-201	930072117	RI 5,74 FILTER M. SFT/MA	03N
FC-202	930702202	RI 5,5 FILTER M. SFT/MA	03L
I-401	672098000	POWER SWITCH RB4A/120A-250VAC	03Z

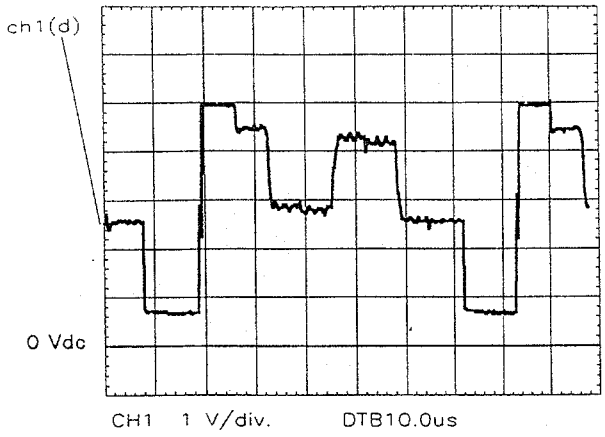
Ref.	Code Number	Description	P. K.
IR-1	792295100	INFRARED RECEIVE LTM-9034A-	04E
TS1	672115000	FRONT TACT SWITCH (KEYBOARD)	03R
L-429	930072106	BNA-22UH J	01N
L-501	612618000	BSC 54,7KHZ 7X7 DM9006SC	02N
P-401	552281000	PTO 470R J 0,1W P5	01Z
FOR F-401	930076491	POR 6,3A 250V P=22,5	01H
FOR DL-1	483147100	LED SUPPORT	01K
PO-401	543138000	PTC 260VRMS I.MIN.>6A	03M
PR-1	682502000	PRJ STEREO DI3.5MM	03P
PR-3	682766000	JACK SOCKET STEREO AU/VI	03R
PR-4	682765000	SOCKET S-VHS 4 WAYS	04B
PR-6	682675000	CINCH SOCKET HI-FI	03G
PS-1	930702205	SCART SOCKET EN50049	02N
Q-1	792297000	8MHZ QUARTZ HC49/U (20PF)	03C
Q-101	792451000	3579,545KHZ QUARTZ HC49/U	03N
Q-102	792452000	4433,619KHZ QUARTZ HC49/U	03N
Q-501	792255000	FILTER.CER.437KHZ CSB437	02T
R-30-31-101-105-108-109-515-541-901A	930070342	RFU-4R7 J 0,3W	01K
R-301	544263000	RSM-R1 J 1W	01K
R-304	542929000	RPM 27R J 2W	01H
R-305	544243000	RSM-10R J 1W	01G
R-307	544230000	RPA 4R7 J 5WP15H15	02Q
R-308	544231000	RPA 6K8 J 5WP15H15	02S
R-309	930071145	RFU 1K5 J 1W	01U
R-317	543131000	RFU-8R2 J 0,5W	01Q
R-318	542938000	RPM R82 K 2W	01U
R-401	543915000	RFA 4R7 K 4W	02M
R-403	544450000	RPM-6R8 J 2W	01M
R-406-416-613-726	930070121	RFU-R10 K 0,4W	01N
R-321-408	544445000	RSC-4R7 J 1W	01N
R-409	544462000	RPA 1K0 J 10W T=25	03B
R-412	544302000	RSM R22 J 2W	01T
R-413	930071086	RAI 10M J 1W	02C
R-414	542468000	RPM 150R J 2W	01H
R-415	930070416	RPM 27K J 2W	01E
R-419-707-709-711	543721000	RPM 39K G 2W	01M
R-424	543089000	RPM 270K J 2W	01M
R-425	544225000	RPM 15R J 2W	01L
R-428	544184000	RSM-22R J 1W	01H
R-601	544493000	RPM 1R2 J 1W	01L
R-602-728	543061000	RFU-10R J 0,3W	01K
R-608-609	930070104	RSM-2R2 G 0,4W	01B
R-732	542370000	RFU-100R J 0,3W	01T
R-902A	543644000	RFU-15R J 0,3W	01K

Ref.	Code Number	Description	P. K.
REF.CN19	682151000	3 WAYS CONNECTOR P5 M	01H
REF.CN23	682614000	2 WAIS CONNECTOR P2 M	01H
REF.CN31	682678000	2 WAYS CONNECTOR P7,62M	02H
REF.CN37	682688000	2 WAYS CONNECTOR P2,5M	01L
REF.CN39	682689000	4 WAYS CONNECTOR P2,5M	01M
REF.CN8	682153000	4 WAYS CONNECTOR P5 M	01K
T-1-2-504-903-904	572282000	TNC=BC848/B NPN 1K	01G
T-301	572280000	TR S2000AF	04D
T-401	572312000	TR MJF18008 NPN	04A
T-501-503-901-902	572294000	TNC=BC858B PNP 3K	01F
T-701-702-703	930071230	TRN'BC558B PNP EM.>	01D
T-905	572239000	TRN'BC635 NPN BA.>	01M
T-505	572264000	TNC=BC847B NPN 1F	01E
TR-301	632089000	EHT TRANSFORMER	06H
TR-401	612648000	BFR 2X28MH +/-30	04D
TR-402	622155000	SWITCH MODE TRANSFORMER	05G
TRC-1	682598200	SRT SOCKET TIPO (B10-277)	03Q
FOR CI.-2	930701036	SOCKET IC 8P P2.54 I7.62	01K
TOTAL ASSY	**805212000**	**STPD POWER STAND BY PC.175**	
C-1	930072506	CRB 470U M 25V	01T
C-2-C3	532343000	CFN'100N J 63V	01H
C-4	532432000	CFS 680N M 275VCA	03R
C-6-7	930073747	CEN'100U M 25V +>	01G
C-8-9-10-11	930073251	CCN'1N0 K 50V 2B4	01D
R-1	543626000	RPM 4R7 J 4W	02R
R-6	544495000	VDR'SIOV-S05K300 300V	03A
T-1	930071228	TRN'BC548B NPN CO.>	01F
T-2	930074346	TRN'BC337/25 NPN CO.>	01H
TY-1	572306000	TY BTA12-700SW	03V
D3-4-5-6	930074478	DSR-1N4006 IFSM 50A	01E
DZ-1	582148000	DZE-ZPY15	01L
D-1-2	930070990	DSR-1N4007 IFSM 50A	01G
CI-1	592451000	CI 78L05ACP	03B
TR-1	622158000	TRANSFORMER 220/8V 0,5W	04Z
CN-1	682153000	4 WAYS CONNECTOR P5 M V	01K
CN-2	682615000	3 WAYS CONNECTOR P2 M V	01K
OP-1	792205000	FHOTO COUPLER CNY64	04H
	483542000	HEXAGONAL NUT M3	01R
	483543000	SCREW M3X16	01N
	483544000	SPREADER L=6,4 D.I.3,7 NY	01E
TOTAL ASSY	**804803002**	**IF MODULE FOR TESI PC101**	
C-202-203-209	930073163	CEN'2U2 M 63V	01E
C-204	930073468	CEN'10U M 63V +>	01G

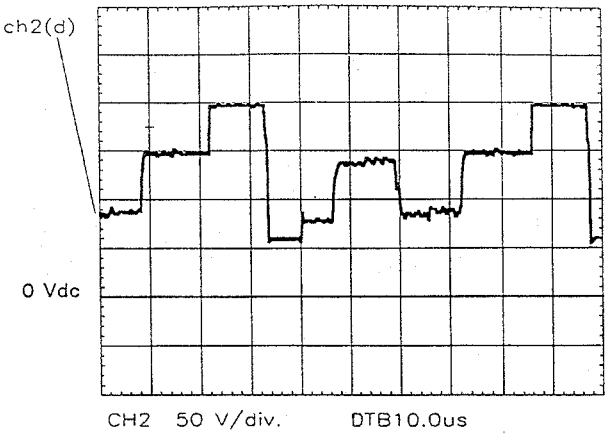
765/325 - 765/368 - 765/384



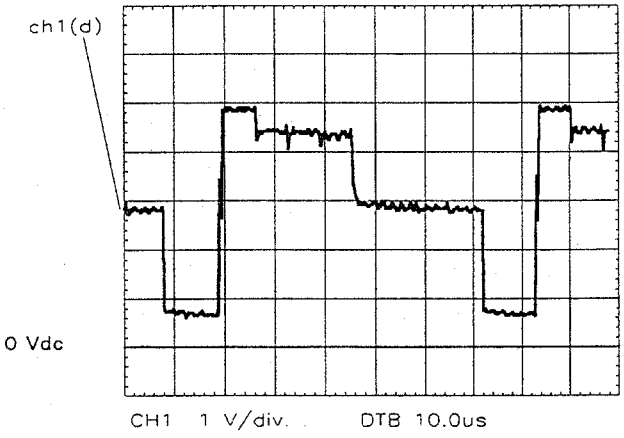
WAVE FORMS PC100



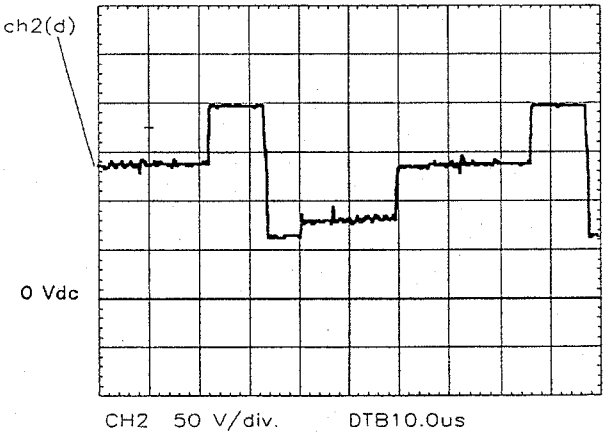
TP50



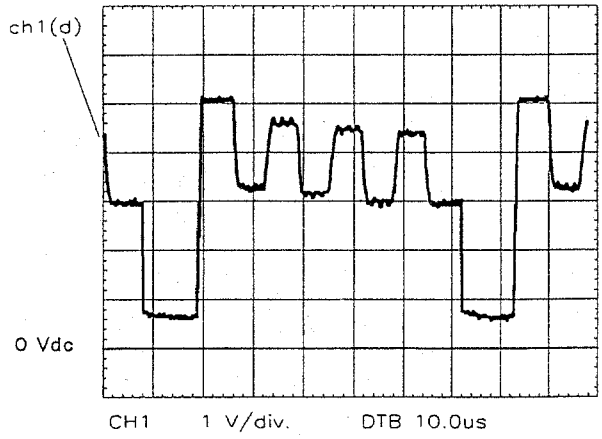
TP53



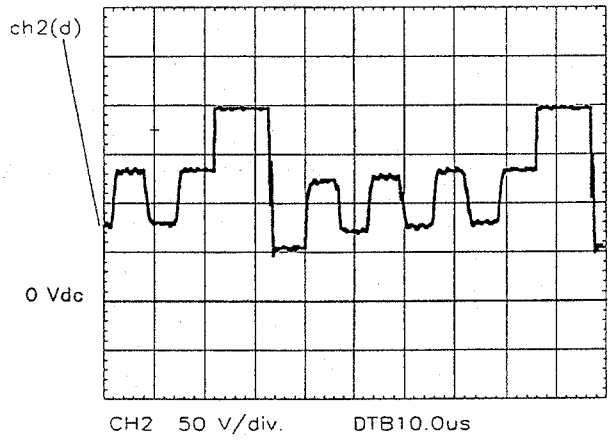
TP51



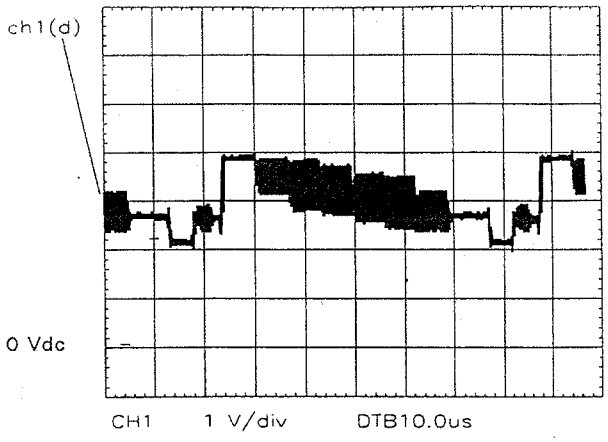
TP54



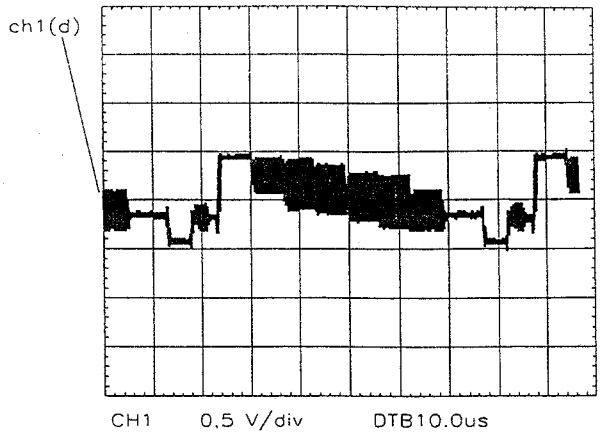
TP52



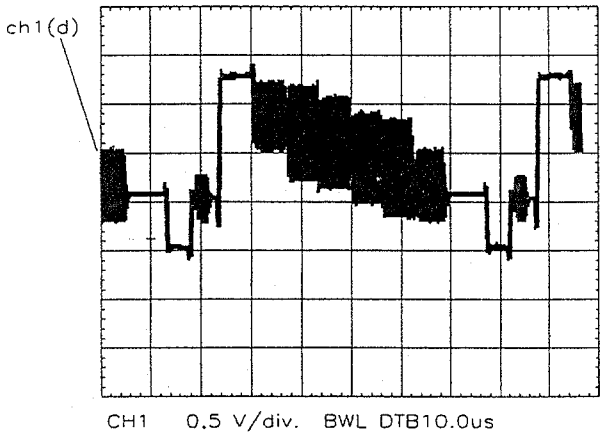
TP55



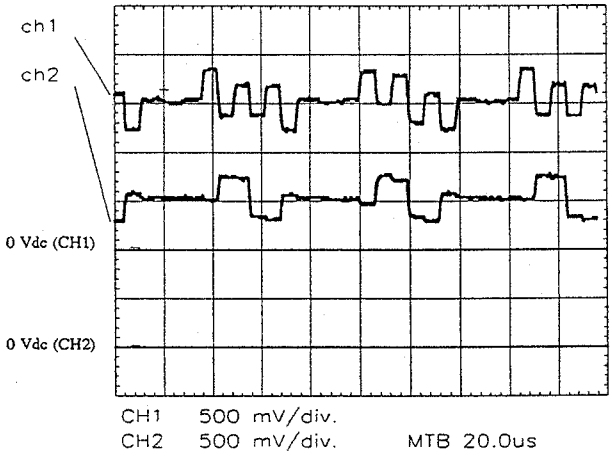
TP64



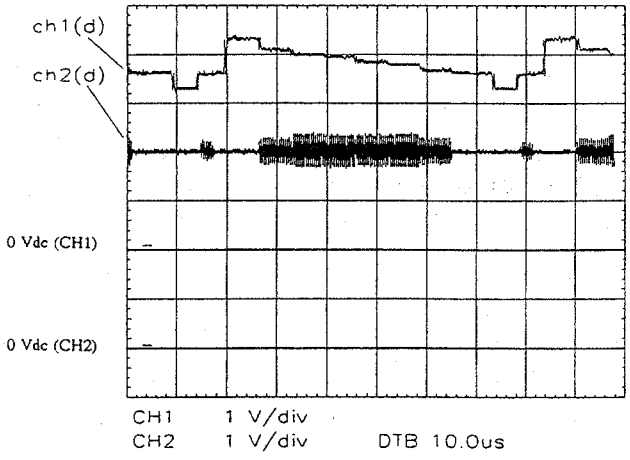
Pin 7 IC903 with signal video from Tuner



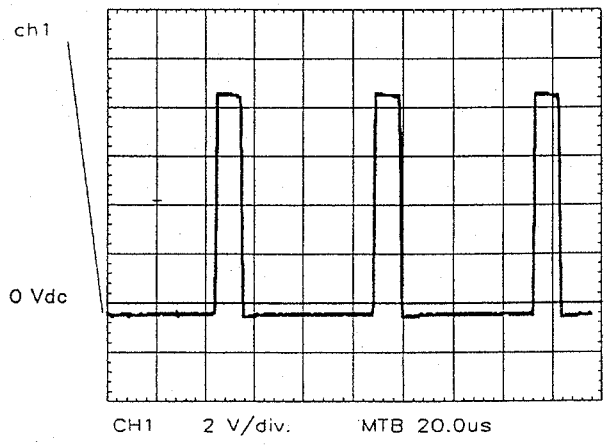
TP64 (AC)



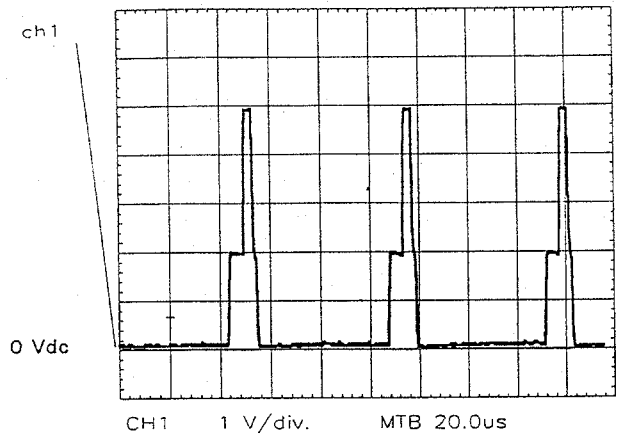
CH1 Pin 29 CI903 (B-Y)
CH2 Pin 30 CI903 (R-Y)



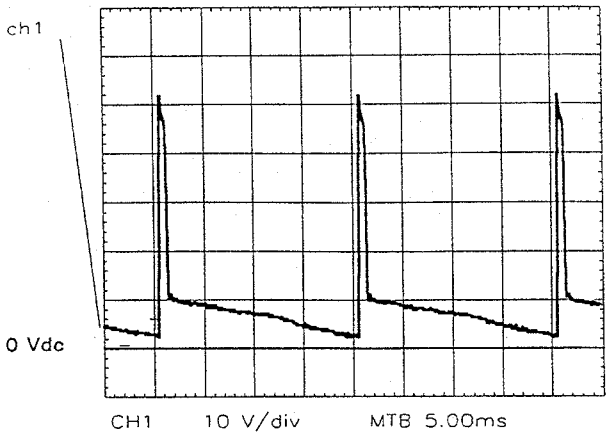
CH1 Pin 7 CI903
CH2 Pin 6 CI903 (with signal input SVHS)



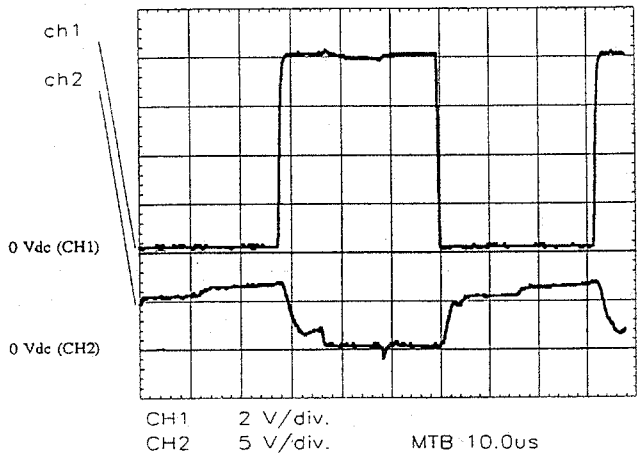
Pin 41 IC903 (Flyback)



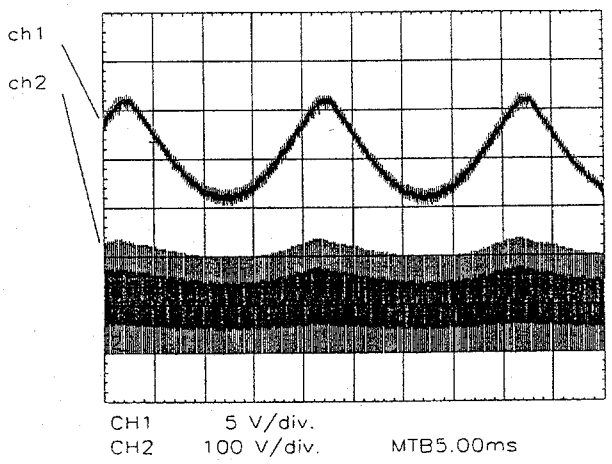
Pin 39 IC903 (Super-sandcastle)



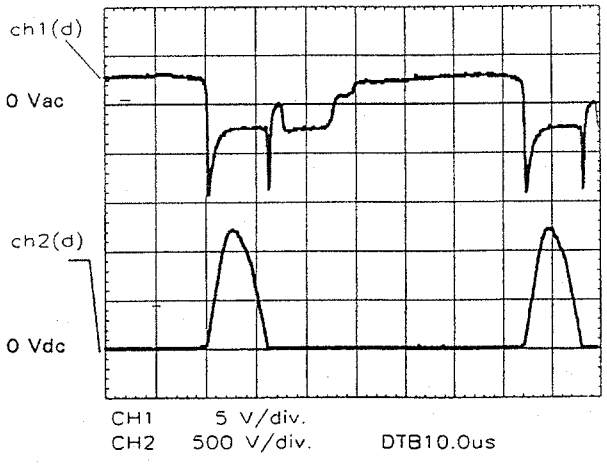
Pin 9 IC601



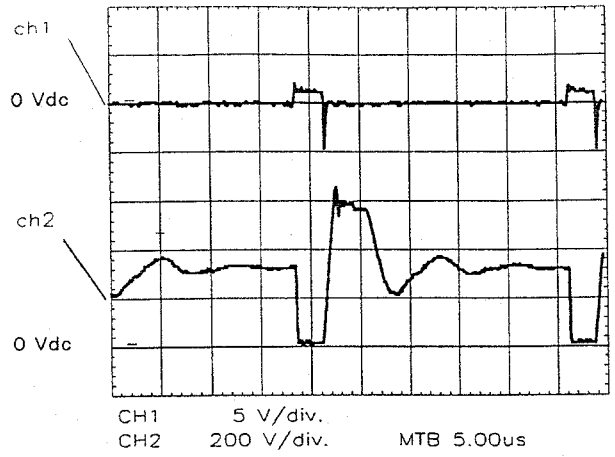
Horizzontal: CH1 Pin 40 CI903
CH2 TP19



E/W: CH1 Pin 11 CI601
CH2 vawe form on D305

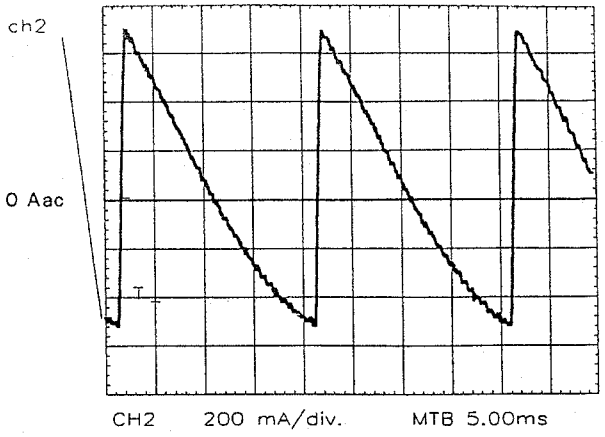


Horizzontal: CH1 Base T301
CH2 Collector T301

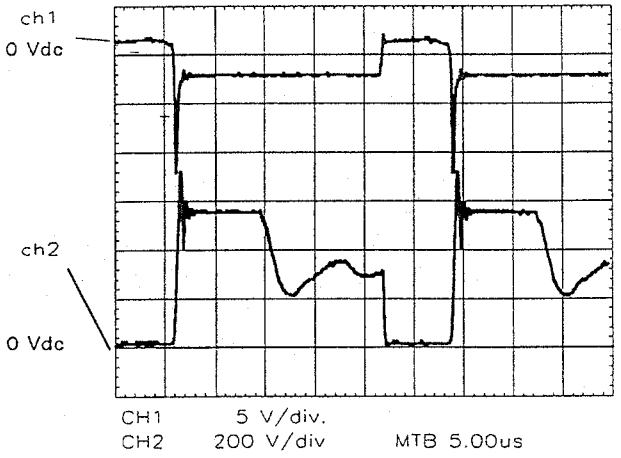


TVC: STAND-BY

CH1 Base of T401
CH2 Collector of T401

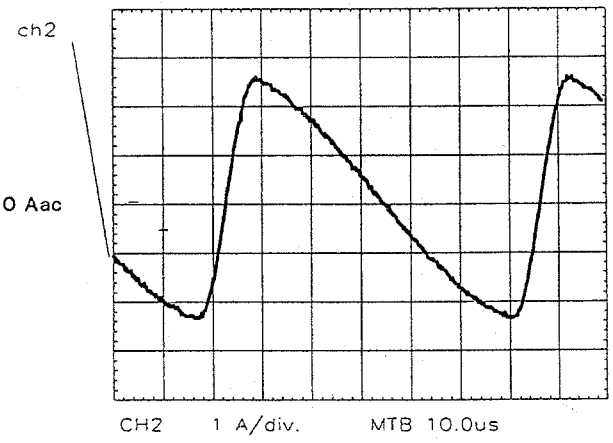


Horizontal yoke current

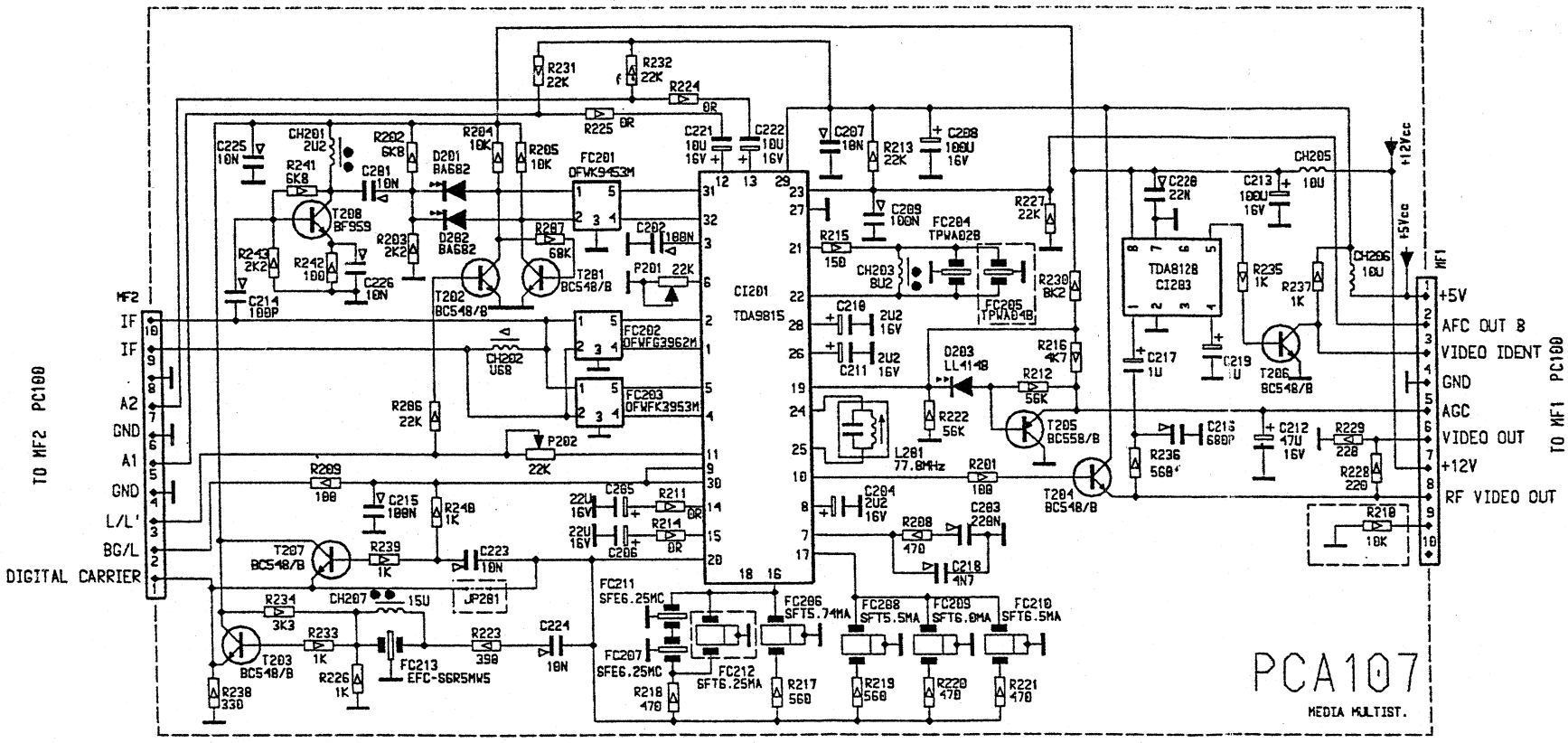


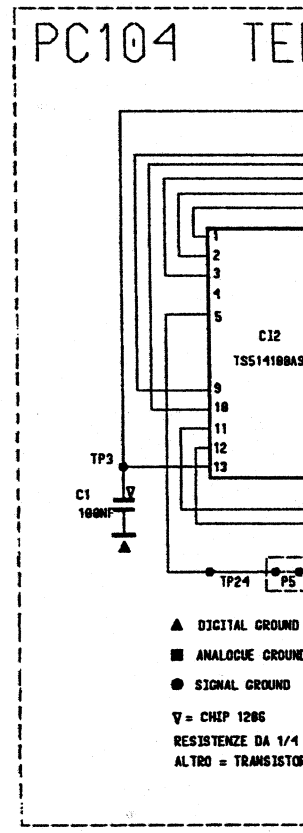
TVC: POWER ON:

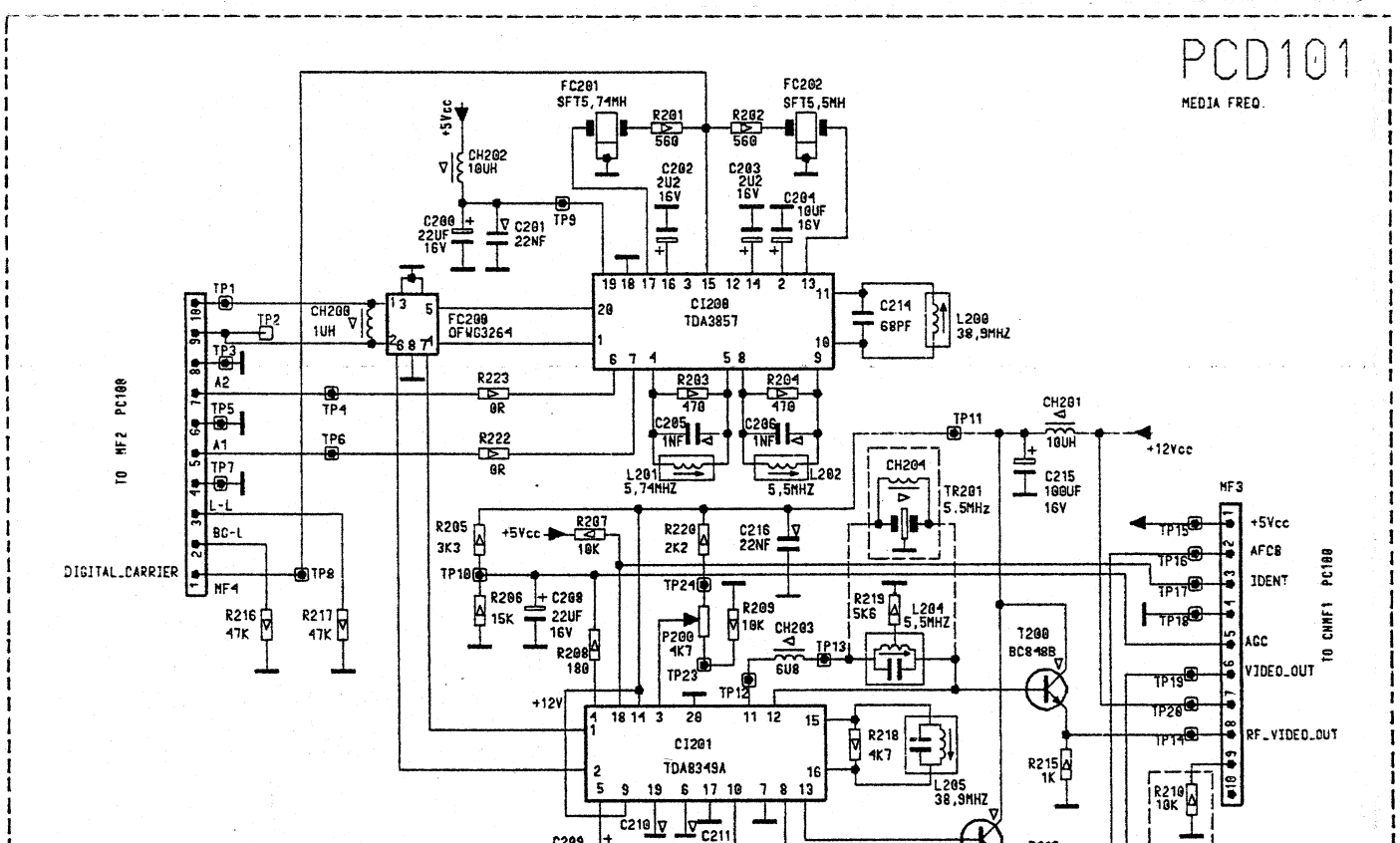
CH1 Base of T401
CH2 Collector of T401

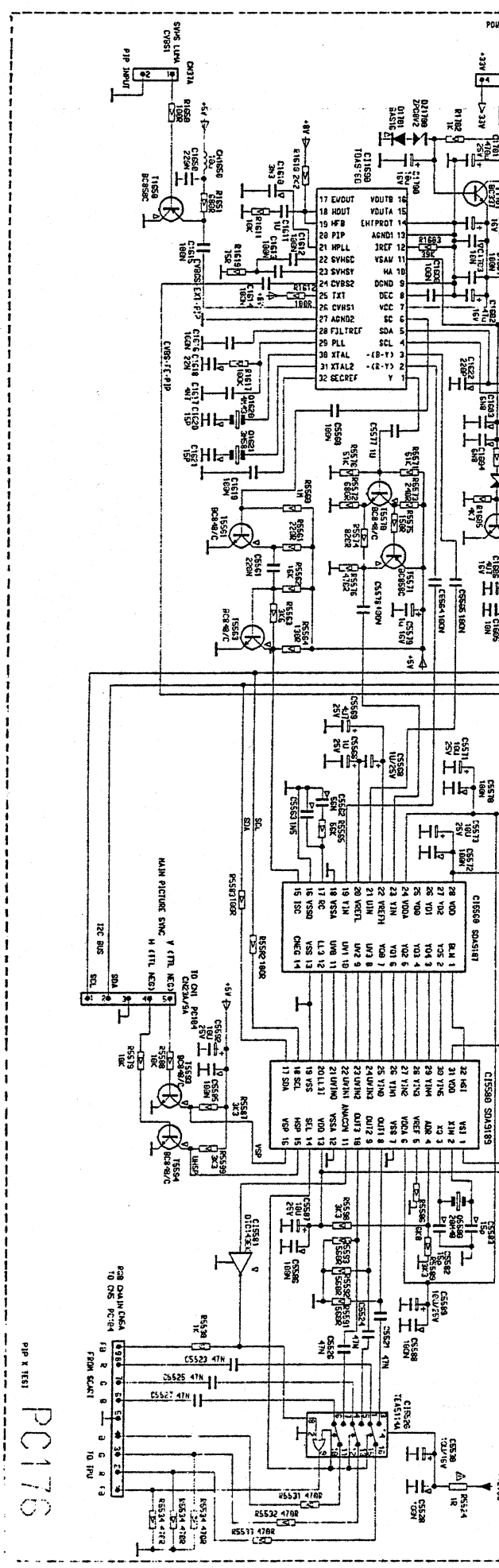


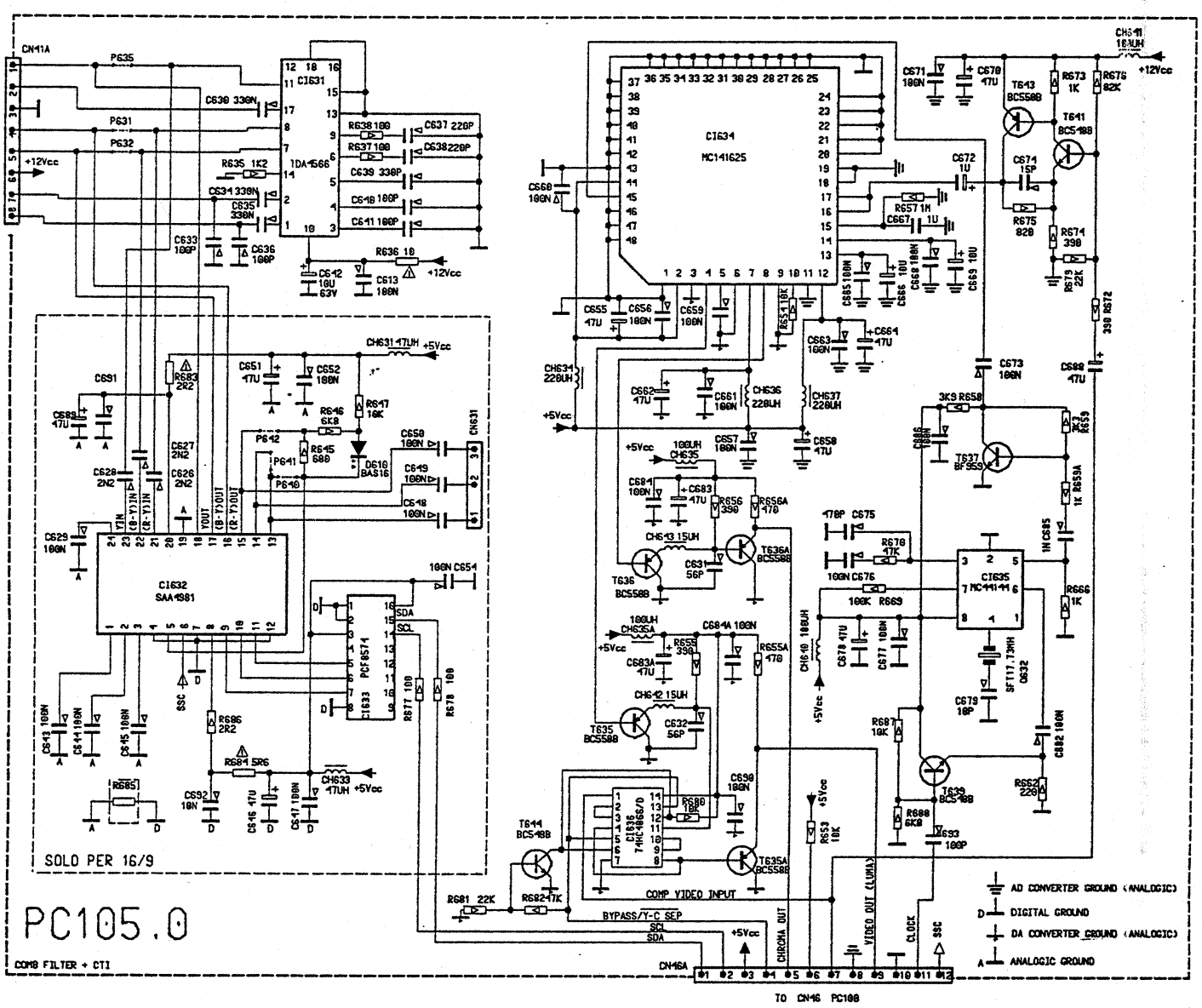
Vertical yoke current


PCA107
MEDIA MULTIST.
TO MF2 PC100
DIGITAL CARRIER
TO MF1 PC100
+5V
AFC OUT B
VIDEO IDENT
GND
AGC
VIDEO OUT
+12V
RF VIDEO OUT
CI201
TDA9815
TDA8128
CI203
T205 BC558/B
T206 BC548/B
T204 BC548/B
T207 BC548/B
T203 BC548/B
T202 BC548/B
T201 BC548/B
T281 BC548/B
L201 77.8MHz
FC201 OFWK9453M
FC202 OFWFG3962M
FC203 OFWFK3953M
FC204 TPWA028
FC205 TPWA048
FC211 SFE6.25MC
FC207 SFE6.25MC
FC212 SFT6.25MA
FC206 SFT5.74MA
FC208 SFT5.5MA
FC209 SFT6.0MA
FC210 SFT6.5MA
FC213 EFC-S6R5MW5
CH201 2U2
CH202 USB
CH203 8U2
CH205
CH206 10U
CH207 15U
JP201
P201 22K
P202 22K

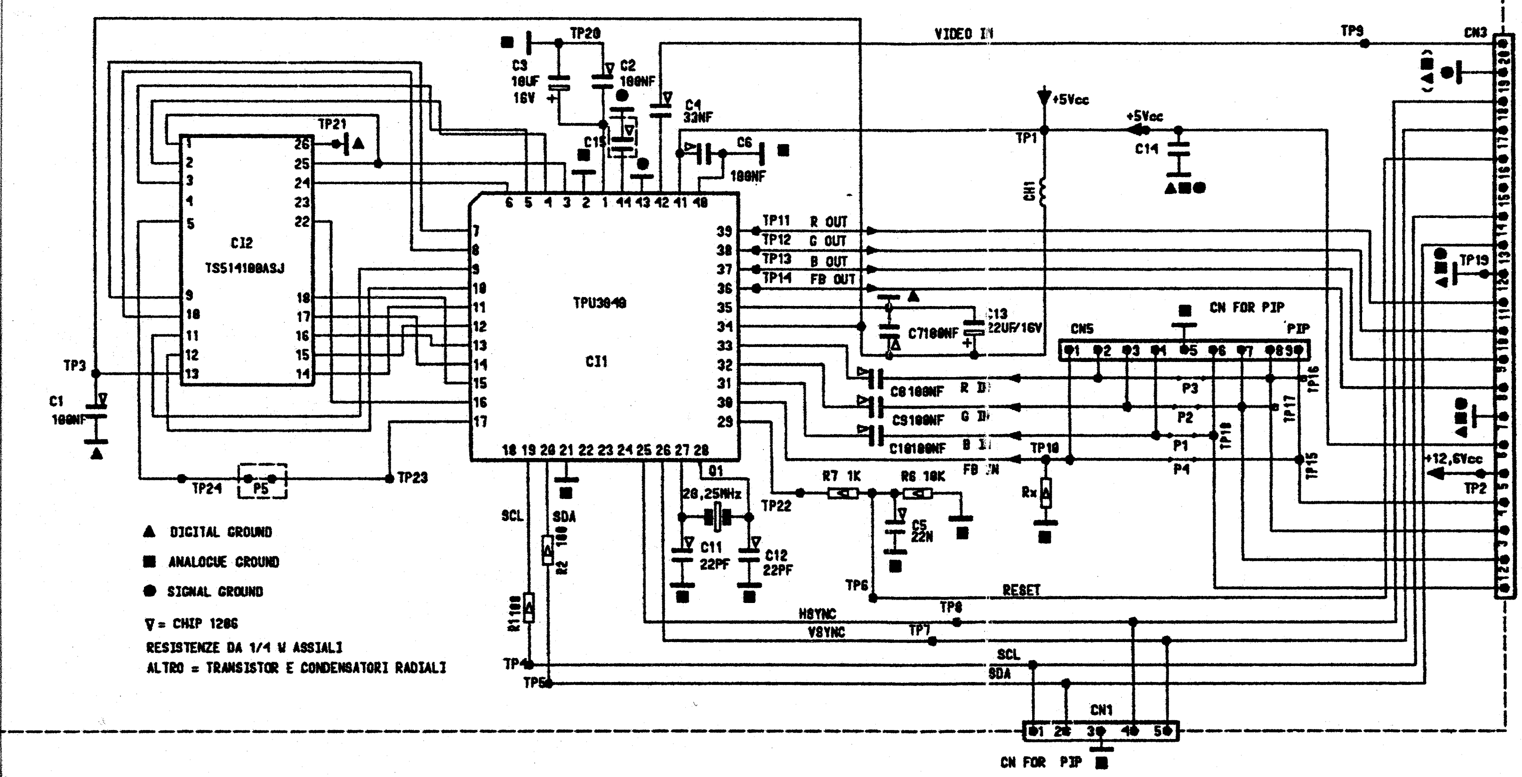

PC104 TE
TP3
C1 100NF
TP24
▲ DIGITAL GROUND
■ ANALOGUE GROUN
● SIGNAL GROUND
▽ = CHIP 1206
RESISTENZE DA 1/4
ALTRO = TRANSISTO


PCD101
MEDIA FREQ.
TO MF2 PC100
DIGITAL_CARRIER
TO CNMF1 PC100
+5Vcc
AFCB
IDENT
AGC
VIDEO_OUT
RF_VIDEO_OUT
CI200
TDA3857
CI201
TDA8349A
FC200 OFWG3264
FC201 SFT5,74MH
FC202 SFT5,5MH
L200 38,9MHZ
L201 5,74MHZ
L202 5,5MHZ
L204 5,5MHz
L205 38,9MHZ
TR201 5.5MHz
T200 BC848B
T201 BC848B

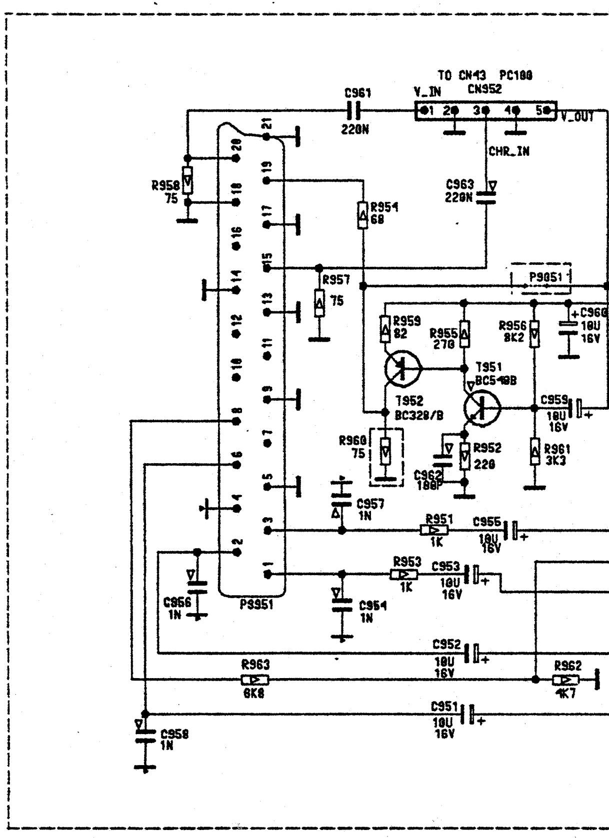

PC178
MAIN PICTURE SYNC
TO CN1 PC104
TO CN PC104
FROM VCR

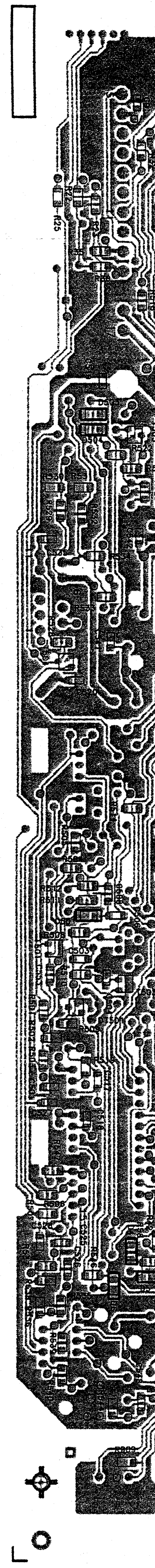

PC105.0
COMB FILTER + CTI
SOLO PER 16/9
TO CN41 PC100
TO CN46 PC100
CI632
SAA4981
CI634
MC141625
CI635
MC141416
CI636
74HC4066/D
CI633
PCF8574
COMP VIDEO INPUT
BYPASS/Y-C SEP
CHROMA OUT
VIDEO OUT (LUMA)
CLOCK
SCL
SDA
AD CONVERTER GROUND (ANALOGIC)
DIGITAL GROUND
DA CONVERTER GROUND (ANALOGIC)
ANALOGIC GROUND

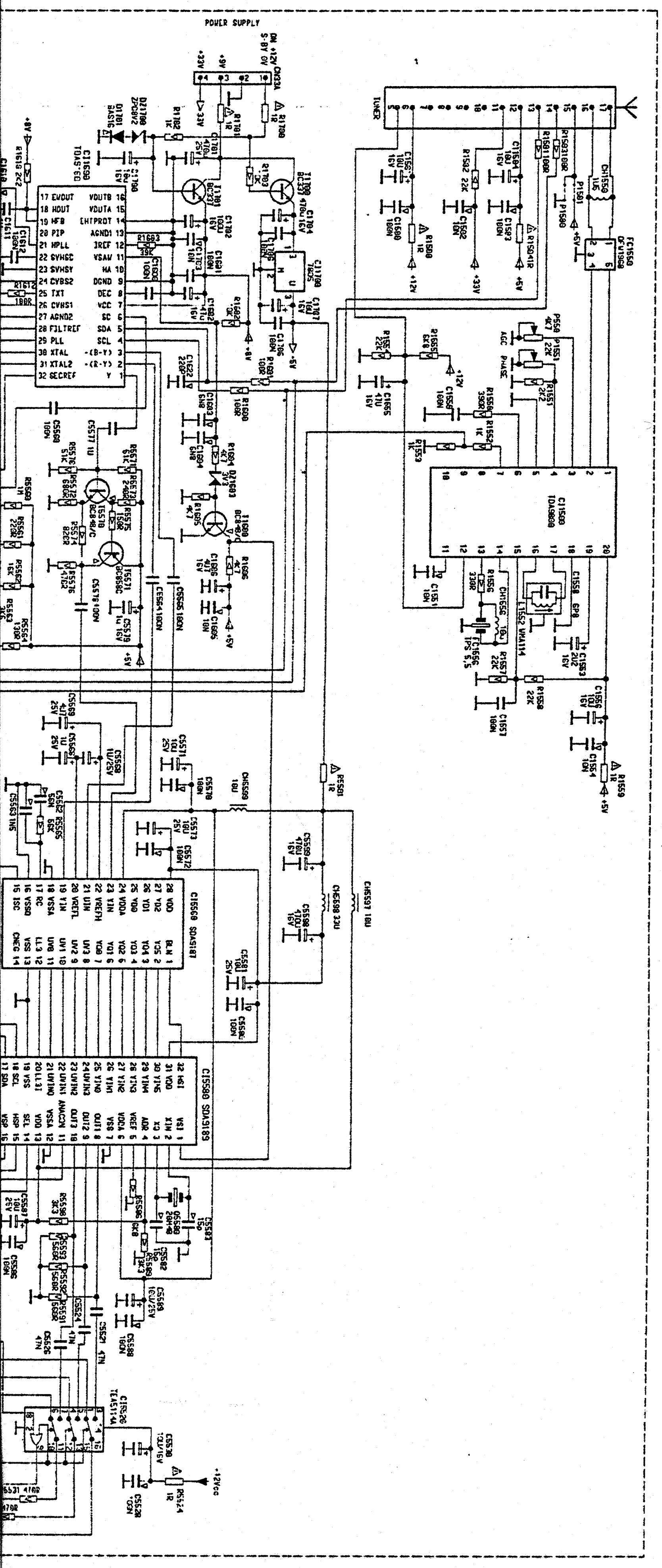
PC104 TELETEX

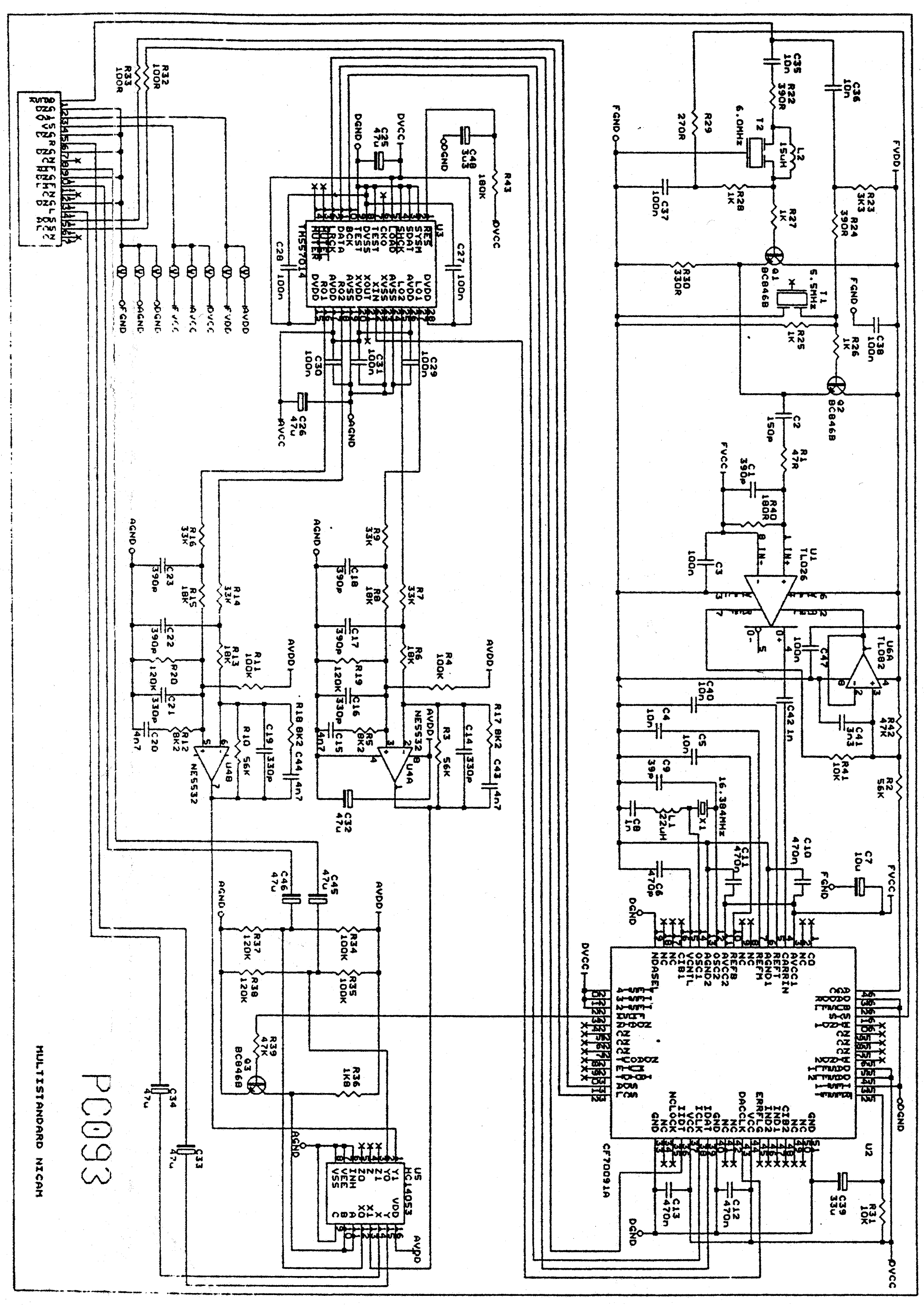


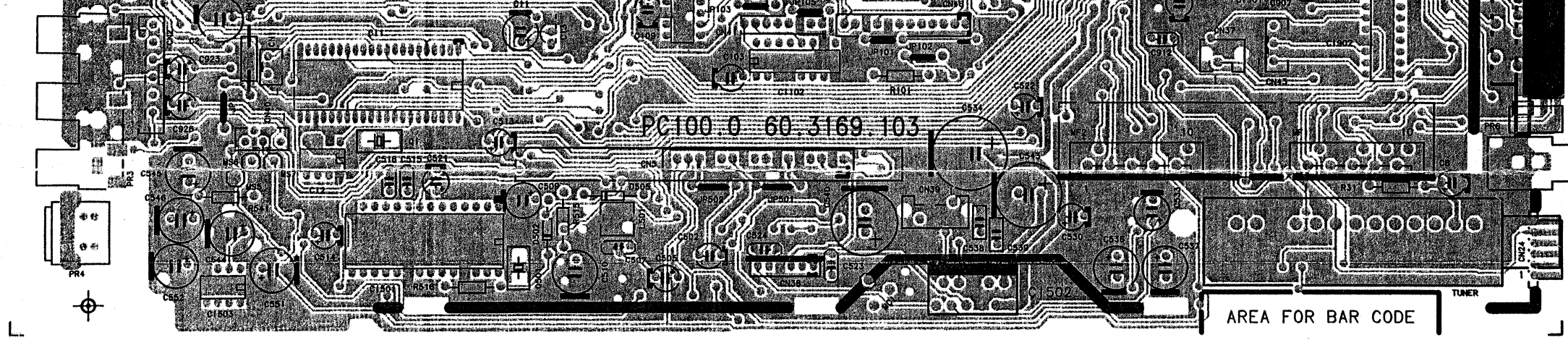
VIDEO IN
CI2
TS514100ASJ
TPU3040
CI1
R OUT
G OUT
B OUT
FB OUT
CN FOR PIP
CN5
CN3
CN1
TO CN27 PC100
+5Vcc
+12,6Vcc
RESET
HSYNC
VSYNC
SCL
SDA
20,25MHz
DIGITAL GROUND
ANALOGUE GROUND
SIGNAL GROUND
∇ = CHIP 1206
RESISTENZE DA 1/4 W ASSIALI
ALTRO = TRANSISTOR E CONDENSATORI RADIALI

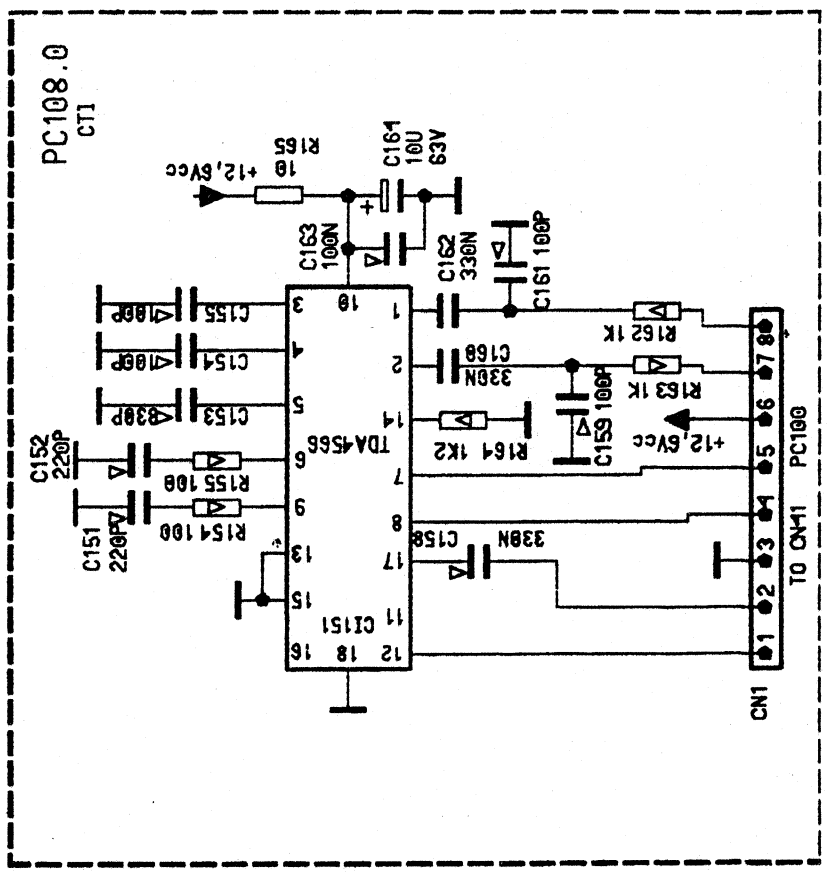


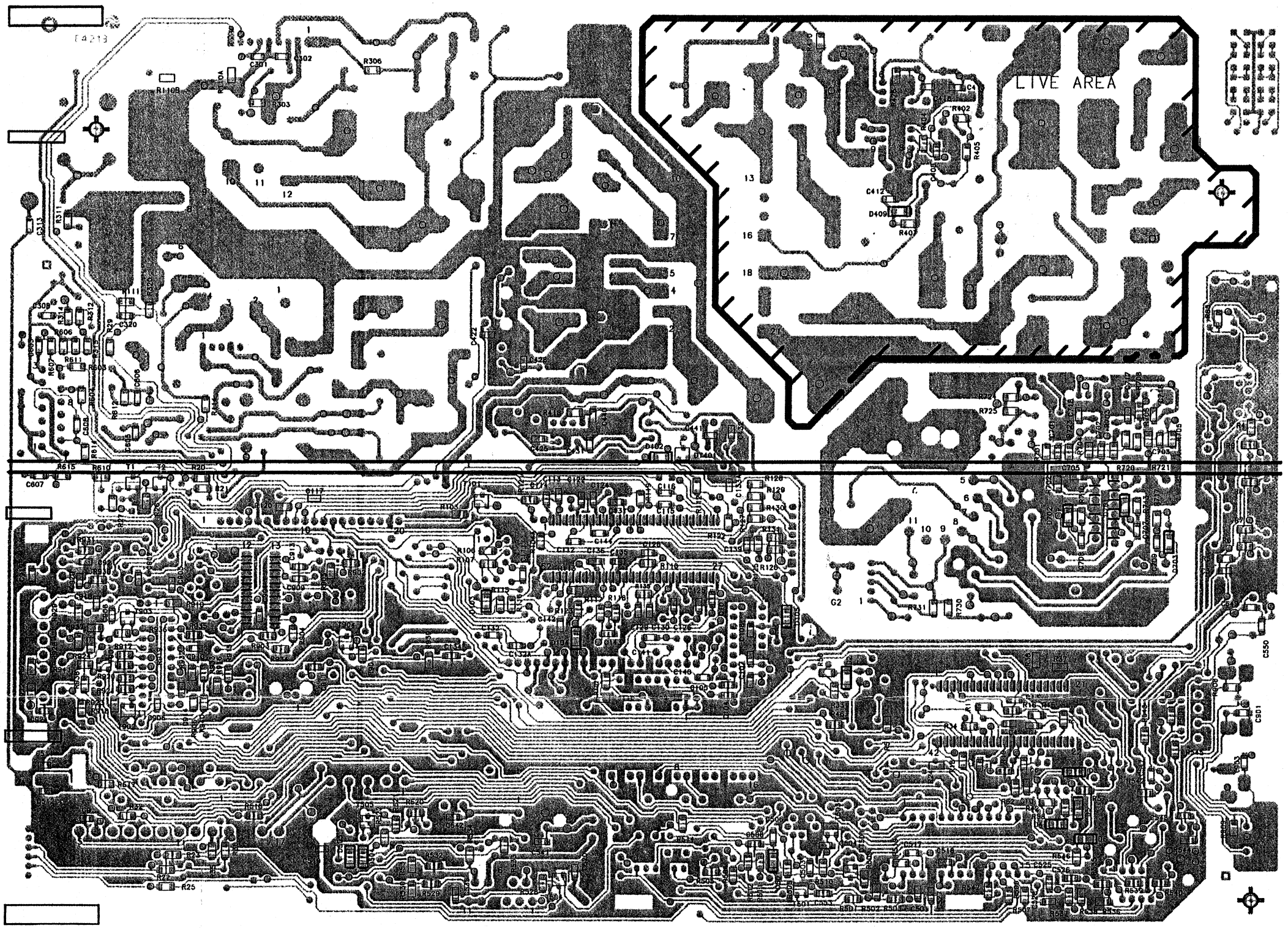







PC100.0 60.3169.103
AREA FOR BAR CODE
TUNER


PC108.0
CT1
+12,6Vcc
R165 10
C161 10U 63V
C163 100N
C162 330N
C161 100P
R162 1K
C160 330N
R163 1K
C159 100P
R161 1K2
C155 100P
C154 100P
C153 330P
C152 220P
R155 10Ω
C151 220PF
R154 10Ω
TDA4566
C158 330N
C1151
TO CN41 PC100
CN1


LIVE AREA
R306
R110
R725
R720
R721
R126
R128
R129
R130
R135
R136
R137
R138
R139
R140
R141
R142
R143
R144
R145
R146
R147
R148
R149
R150
R151
R152
R153
R154
R155
R156
R157
R158
R159
R160
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R164
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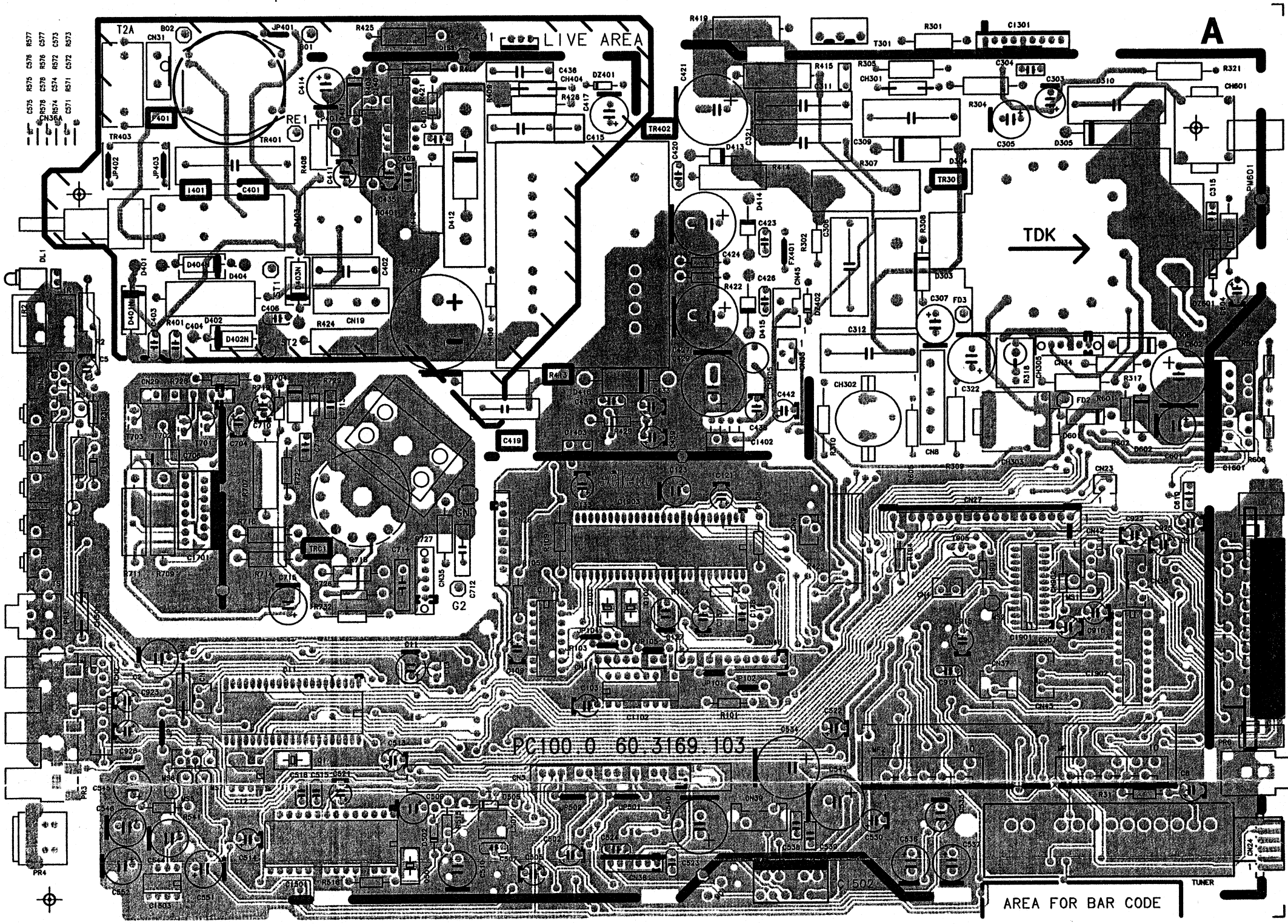
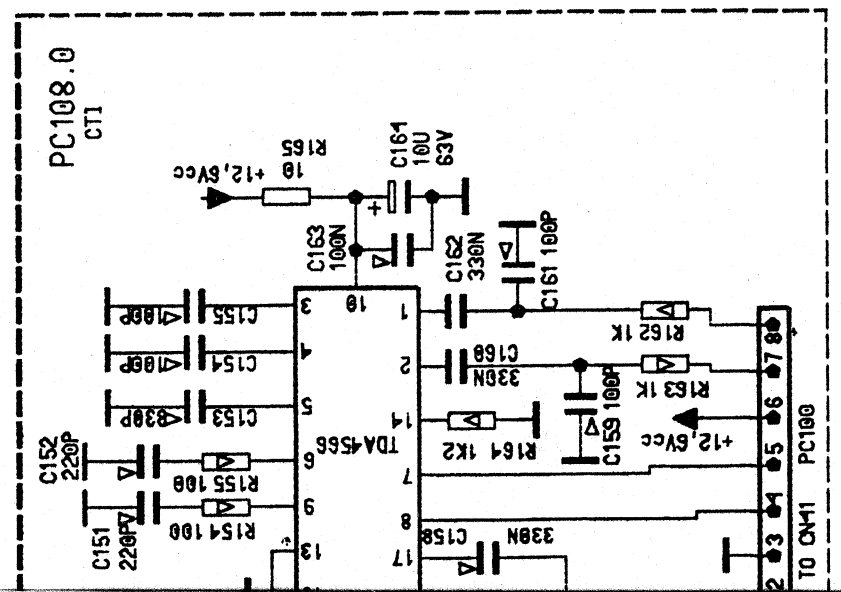
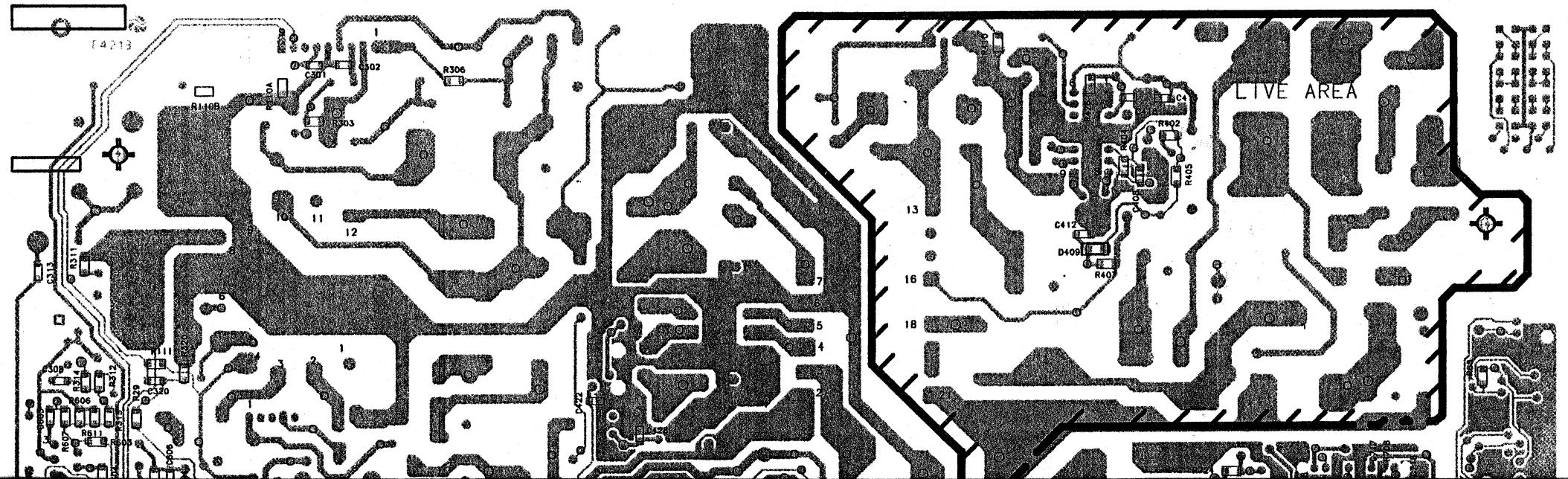
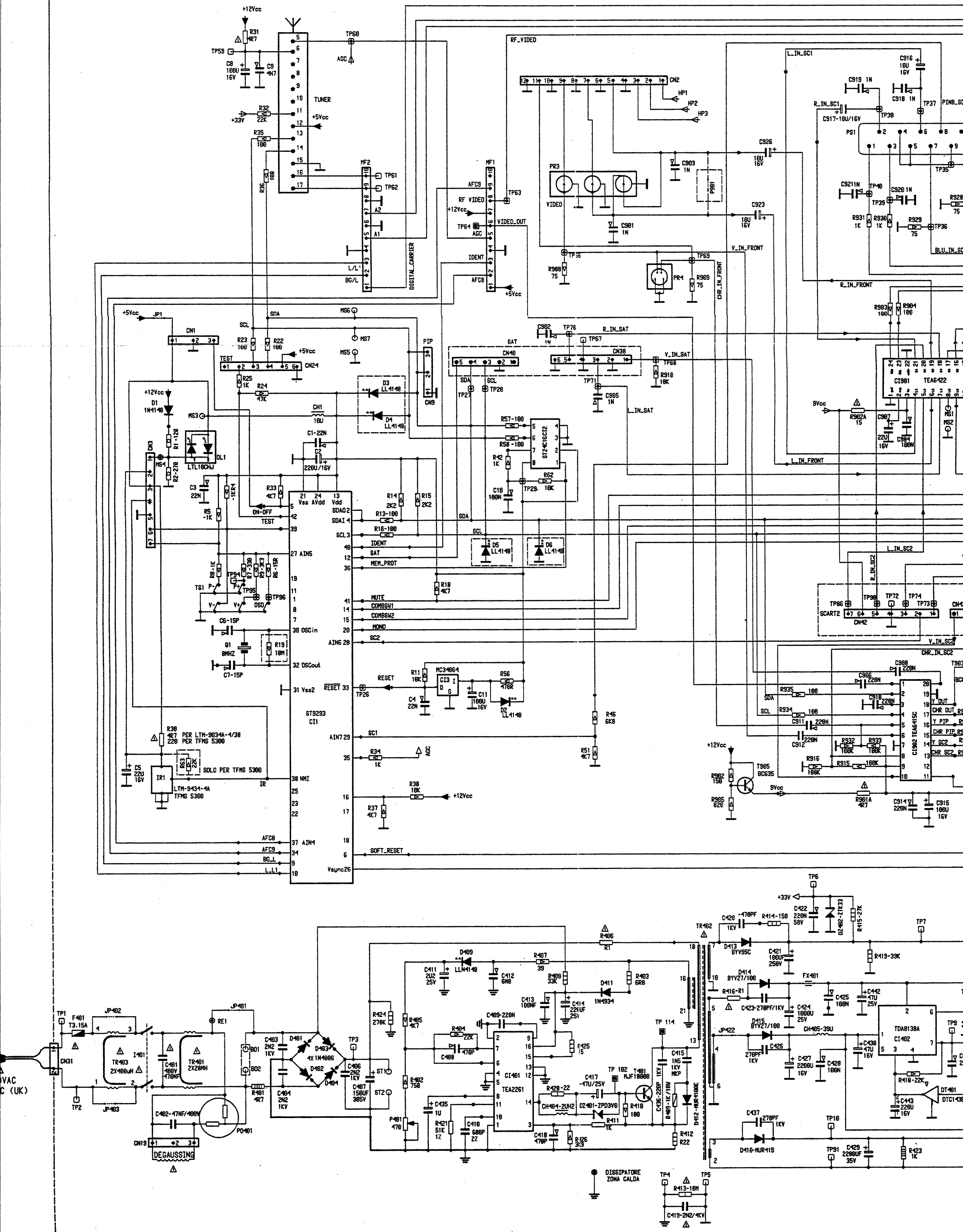
R166
R167
R168
R169
R170
R171
R172
R173
R174


A
LIVE AREA
TDK
PC100 0 60 3169 103
AREA FOR BAR CODE
TUNER


PC108.0
CT1
+12,6Vcc
R165 10
C164 10U 63V
C163 100N
C162 330N
C161 100P
R162 1K
C160 330N
R163 1K
C159 100P
R164 1K2
C158 330N
C152 220P
R155 100
R154 100
C151 220P
TDA4566
C155
C154
C153
TO CN11 PC100


LIVE AREA


+12Vcc
R31 4R7
TP59
C8 100U 16V
C9 4N7
TP60
AGC
TUNER
+5Vcc
+33V
R32 22K
R35 100
R36 100
MF2
TP61
TP62
A2
A1
L/L'
BG/L
DIGITAL_CARRIER
MF1
AFC9
TP63
RF_VIDEO
+12Vcc
TP64
AGC
VIDEO_OUT
IDENT
AFC8
+5Vcc
RF_VIDEO
CN2
HP1
HP2
HP3
PR3
VIDEO
C903 1N
P901
C926 10U 16V
C901 1N
C923 10U 16V
TP56
R908 75
V_IN_FRONT
TP69
PR4
R909 75
CHR_IN_FRONT
L_IN_SC1
C916 10U 16V
C919 1N
C918 1N
TP37
R_IN_SC1
TP38
C917-10U/16V
PS1
TP35
C921 1N
TP40
C920 1N
TP39
R931 1K
R930 1K
R929 75
TP36
R928 75
BLU_IN_SC
R_IN_FRONT
R903 100
R904 100
+5Vcc
JP1
CN1
SCL
SDA
MS6
MS7
MS5
PIP
CN9
TEST
CN24
R23 100
R22 100
R25 1K
R24 47K
D3 LL4148
D4 LL4148
C902 1N
TP76
R_IN_SAT
TP67
SAT
CN40
CN38
V_IN_SAT
TP68
R910 10K
TP27
TP28
TP71
C905 1N
L_IN_SAT
CI981 TEA6422
9Vcc
R902A 15
C907 22U 16V
C984 100N
MS1
MS2
L_IN_FRONT
+12Vcc
D1 1N4148
MS3
CH1 10U
R57-100
R58 -100
ST24C16CI2
R42 1K
R62 10K
TP29
C18 100N
C1-22N
C2 220U/16V
CN3
MS4
R1-120
R2-270
LTL10CHJ
DL1
C3 22N
R5 -1K
-1KR4
R33 4K7
ON-OFF
TEST
21 Vss
24 AVdd
13 Vdd
SDAO 2
SDAI 4
SCL 3
IDENT 40
SAT 12
MEM_PROT 36
R14 2K2
R15 2K2
R13-100
R16-100
SDA
SCL
D5 LL4148
D6 LL4148
L_IN_SC2
R_IN_SC2
SCART2
CN42
TP86
TP90
TP72
TP74
TP73
R18 4K7
R8 -1K
R7 -330
R9 -3K3
R6 -15K
TP94
TS1 P-
P+
V-
V+
TP95
OSD
TP96
MUTE 41
COMBSW1 14
COMBSW2 15
MONO 20
SC2
V_IN_SC2
CHR_IN_SC2
C6-15P
Q1 8MHZ
C7-15P
R19 10M
AIN6 28
32 OSCout
31 Vss2
RESET 33
TP26
R11 10K
MC34064
CI3
R56 470R
C4 22N
C11 100U 16V
D2 LL4148
ST9293 CI1
R46 6K8
AIN7 29
SC1
R34 1K
AGC
R51 4K7
R30 4R7 PER LTM-9034A-4/38
220 PER TFMS 5300
R63 22K
SOLO PER TFMS 5300
C5 220U 16V
IR1
LTM-9434-4A
TFMS 5300
IR
38 NMI
R38 10K
+12Vcc
R37 4K7
16
17
AFC8
AFC9
BG_L
L_L1
37 AIN4
34
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18
6
SOFT_RESET
Vsync 26
C908 220N
C906 220N
R935 100
C910 220N
R934 100
C911 220N
C912 220N
R932 100K
R933 100K
R916
R915 100K
CI902 TEA6415C
Y OUT
CHR OUT
Y PIP
CHR PIP
Y SC2
CHR SC2
+12Vcc
T905 BC635
R962 150
R965 820
9Vcc
R901A 4R7
C914 220N
C915 100U 16V
TP6
+33V
C422 220N 50V
DZ402-27K33
R415-27K
C420 -470PF 1KV
R414-150
TR402
TP7
D413 BYV95C
C421 100UF 250V
R419-39K
D414 BYV27/100
FX401
R416-R1
C423-270PF/1KV
C424 1000U 25V
C425 100N
C442 47U 25V
D415 BYV27/100
CH405-39U
JP422
C426 270PF 1KV
C427 2200U 16V
C428 100N
C438 47U 16V
TDA8138A
CI402
R418-22K
DT401 DTC143E
C443 220U 16V
C437 270PF 1KV
D416-MUR415
TP10
TP91
C429 2200UF 35V
R423 1K
R406 R1
D409 LLN4148
R407 39
C411 2U2 25V
C412 6N8
R408 33K
D411 1N4934
R403 6R8
C413 100NF
C414 220UF 25V
C409-220N
R404 22K
C408 470P
R424 270K
R405 4K7
R402 750
R425 15
TP 114
TP 102
T401 MJF18008
C415 1N5 1KV MKP
C417 -47U/25V
R428-22
CH404-2UH2
DZ401-ZPD3V0
R418 100
C436-220P 1KV
R409-1K/10W
D412-MUR1100E
C435 1U
R421 51K 1Z
C410 680P 2Z
C418 470P
R426 3K9
R411 1K
R412 R22
P401 470
C402-47NF/400V
P0401
CN19
DEGAUSSING
TR403 2X400uH
I401
TR401 2X28MH
C401 400V 470NF
JP402
JP401
JP403
RE1
F401 T3.15A
TP1
TP2
CN31
VAC
C (UK)
B01
B02
R401 4R7
C403 2N2 1KV
C404 2N2 1KV
D401
D403
4X1N4006
D402
D404
C406 2N2 1KV
C407 150UF 385V
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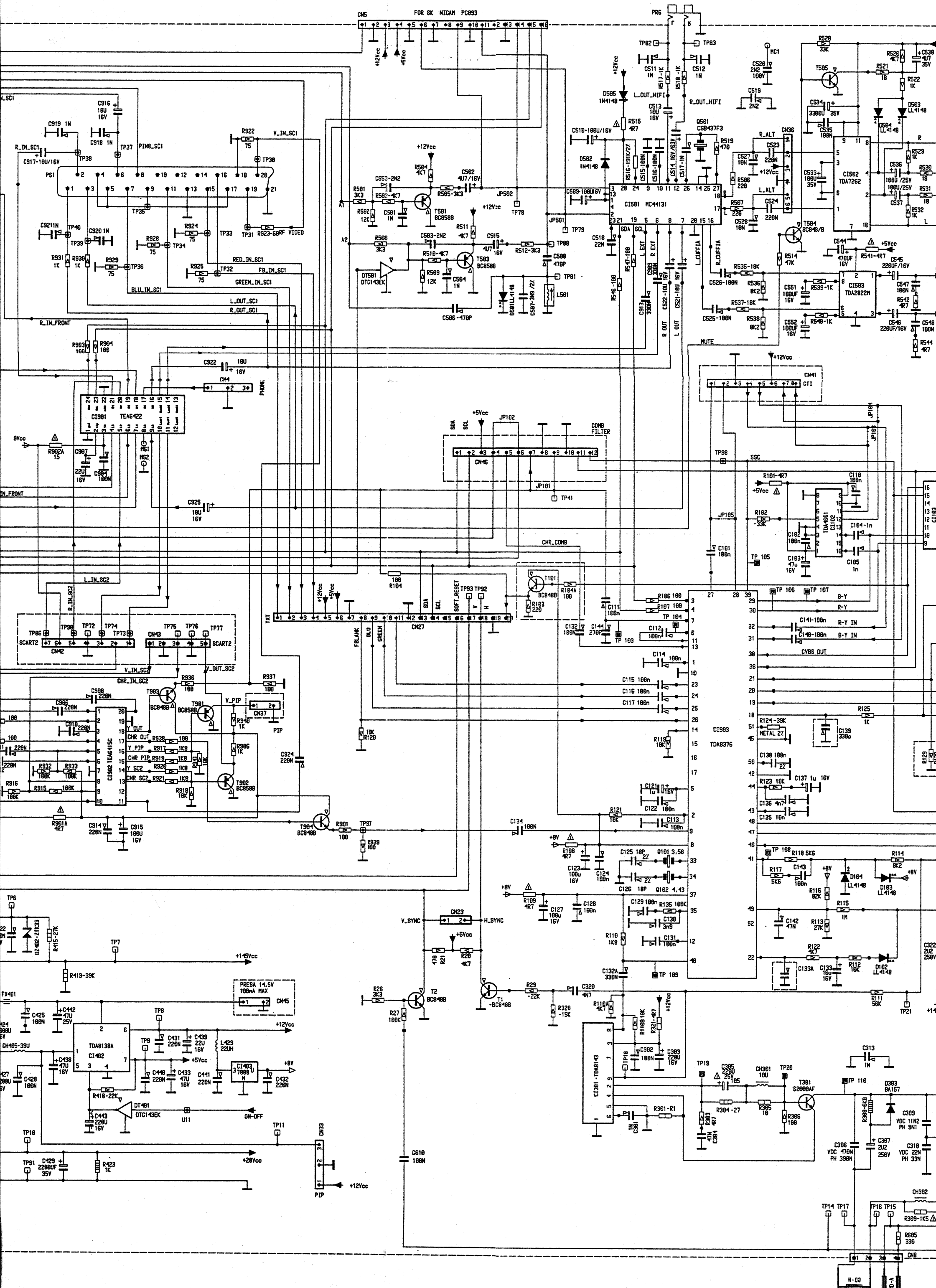
ST1
ST2
R414 270K
DISSIPATORE ZONA CALDA
TP4
TP5
R413-10M
C419-2N2/4KV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+12Vcc
+5Vcc
PR6
TP82
TP83
C511 1N
C512 1N
R517-1K
R518 -1K
L_OUT_HIFI
R_OUT_HIFI
MC1
C520 2N2 100V
C519 2N2
D505 1N4148
C513 10U 16V
R515 4R7
C518-100U/16V
D502 1N4148
Q501 CSB437F3
R519 47R
C514 16V/63V
C517-1N
R516-191K/2Z
C515-100N
C516-100N
R_ALT
L_ALT
CN36
C523 220N
C527 10N
C524 220N
C528 10N
R506 220
R507 220
CI501 MC44131
C509-100U16V
C518 22N
R528 33K
R520 4K7
R521 18
R522 1K
C534 3300U 35V
C535 100N
T505
D503 LL4148
D504 LL4148
C530 4U7 35V
CI502 TDA7262
C533+ 100U 35V
C536 100U /25V
C537 100U/25V
R529 1K
R530 18
R531 18
R532 1K
T504 BC848/B
R514 47K
C544 470UF 16V
R541-4R7
+5Vcc
C545 220UF/16V
R535-18K
C526-100N
R536 8K2
R537-18K
C525-100N
R538 8K2
CI503 TDA2822M
C551 100UF 16V
R539-1K
C552 100UF 16V
R540-1K
C546 220UF/16V
C547 100N
R542 4R7
C548 100N
R544 4R7
MUTE
CN41
CTI
JP104
JP103
TP98
SSC
R101-4R7
C110 100n
CI102 TDA4661
R102 33K
C102 100n
C104-1n
C103+ 47u 16V
C105 1n
TP 105
JP105
C101 100n
CHR_COMB
R104 100
T101 BC848B
R104A 100
R103 220
TP 106
TP 107
B-Y
R-Y
C141-100n
C140-100n
R-Y IN
B-Y IN
CYBS OUT
C111 100n
C132 100n
C144 270P
TP 103
TP 104
C112 100n
C114 100n
C115 100n
C116 100n
C117 100n
CI903 TDA8376
R125 1K
R124-39K METAL 2Z
C139 330p
C138 100n 2Z
R123 10K
C137 1u 16V
C136 4n7
C135 10n
R119 10K
C121 1u 16V
C122 100n
C113 100n
R121 10K
C134 100N
R108 4R7
C123 100u 16V
C124 100n
C125 18P 2Z
Q101 3,58
C126 18P 2Z
Q102 4,43
R109 4R7
C127 100u 16V
C128 100n
C129 100n
R135 100K
C130 3n9
R110 1K8
C131 100n
C132A 330N
TP 109
R114 8K2
TP 108
R118 5K6
C143 100n
R117 5K6
D104 LL4148
D103 LL4148
R116 82K
R115 1M
C142 47N
R113 27K
R122 4K7
D102 LL4148
C133A
C133 10u 16V
R112 10K
R111 56K
TP21
C322 2U2 250V
R29 -22K
C320 4N7
R320 -15K
R110A 4K7
R110B 10K
R321-4R7
+12Vcc
C302 100N
C303 220U 16V
TP18
CI301 - TDA8143
TP19
C305 220U 25V
CH301 10U
TP20
T301 S2088AF
R304 -27
R305 10
R306 100
R303 4R7
C304 47N
R301-R1
C301 1N
C313 1N
TP 110
D303 BA157
R308-6K8
C309 VDC 11N2 PH 9N1
C306 VDC 470N PH 390N
C307 2U2 250V
C310 VDC 22N PH 33N
CH302
R309-1K5
TP14 TP17
TP16 TP15
R605 330
CN8
H-OUT
CO-A
CN27
TXT
FBLANK
BLU
GREEN
SOFT_RESET
TP93 TP92
V
H
SDA
SCL
CN43
SCART2
CN42
TP86 TP90 TP72 TP74 TP73 TP75 TP76 TP77
V_IN_SC2
V_OUT_SC2
CHR_IN_SC2
L_IN_SC2
R_IN_SC2
CI902 TEA6415C
Y OUT
CHR OUT
Y PIP
CHR PIP
Y SC2
CHR SC2
R938 100
R917 1K8
R919 1K8
R920 1K8
R921 1K8
R918 10K
R936 100
R937 100
T903 BC848B
T901 BC858B
V_PIP
R940 1K
CN37
PIP
R906 1K
T902 BC858B
C924 220N
C908 220N
C906 220N
C910 220N
R932 100K
R933 100K
R916 100K
R915 100K
R901A 4R7
C914 220N
C915 100U 16V
T904 BC848B
R901 100
TP97
R939 100
C916 10U 16V
C918 1N
C919 1N
R922 75
V_IN_SC1
TP37
PIN8_SC1
TP38
C917-10U/16V
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PS1
TP35
TP39
C9211N
TP40
C920 1N
R928 75
TP34
R924 75
TP33
TP31
R923-68
RF VIDEO
R931 1K
R930 1K
R929 75
TP36
R925 75
TP32
RED_IN_SC1
FB_IN_SC1
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BLU_IN_SC1
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R_OUT_SC1
R_IN_FRONT
R903 100
R904 100
C922 10U 16V
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C904 100N
MS1
MS2
C925 10U 16V
IN_FRONT
CN23
V_SYNC
H_SYNC
+5Vcc
R21 47R
R20 4K7
R26 3K3
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T2 BC848B
T1 -BC848B
C610 100N
TP6
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TP7
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PRESA 14,5V 100mA MAX
CN45
FX401
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TP8
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CI402
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TP9
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L429 22UH
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C438 47U 16V
C428 100N
C440 220N
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C441 220N
CI403 7808 U M
+8V
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U11
ON-OFF
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COMB FILTER
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TESI PC100

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All resistors without markings are 1/4 W - 5%. All measurements refer to ground with mains supply 220V (240V UK) correct picture and a voltmeter of 20.000 Ohm/V.

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Alle Widerstände ohne Bezeichnung sind 1/4 W - 5%. Alle Messungen beziehen sich auf Masse, mit einer Netzspannung von 220 V (240 V UK) und normalem Fernsehsignal gemessen mit einem Voltmeter von 20.000 Ohm/V.

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Toutes les résistances sans d'indication sont de 1/4 W - 5%. Toutes les mesures sont respect a la masse, avec tension secteur 220 V (240 V UK). Image corecte et avec un voltmètre de 20.000 Ohm/V.

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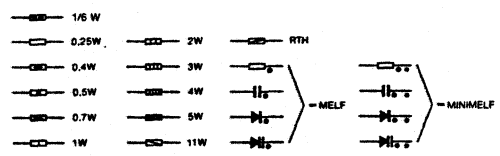
Tutte le resistenze prive d'indicazione s'intendono da 1/4 W - 5%. Tutte le misure s'intendono rispetto a massa con alimentazione rete 220 V (240 V UK). Immagine corretta e con un voltmetro da 20.000 Ohm/V.



In order to ensure the maximum safety and reliability, original spare parts should always be used when replacing components.
Particular care should be taken when replacing components marked with the symbol ⚠

Zur Gewährleistung von Sicherheit und Zuverlässigkeit dürfen nur Original-Ersatzteile verwendet werden.
Besondere Sorgfalt wird bei den Teilen, die mit dem Symbol ⚠ gekennzeichnet sind, verlangt.

Pour une plus grande sécurité et fiabilité, tous les composants doivent être remplacés par des pièces originales.
Il faut prêter une attention particulière à ceux portant le symbole ⚠ .

Ai fini della sicurezza ed affidabilità tutti i componenti devono essere sostituiti con pezzi originali.
Particolare attenzione va posta a quelli contrassegnati con il simbolo ⚠ .

MEASUREMENTS PERFORMED USING COLOUR BARS WITH 100% MODULATION
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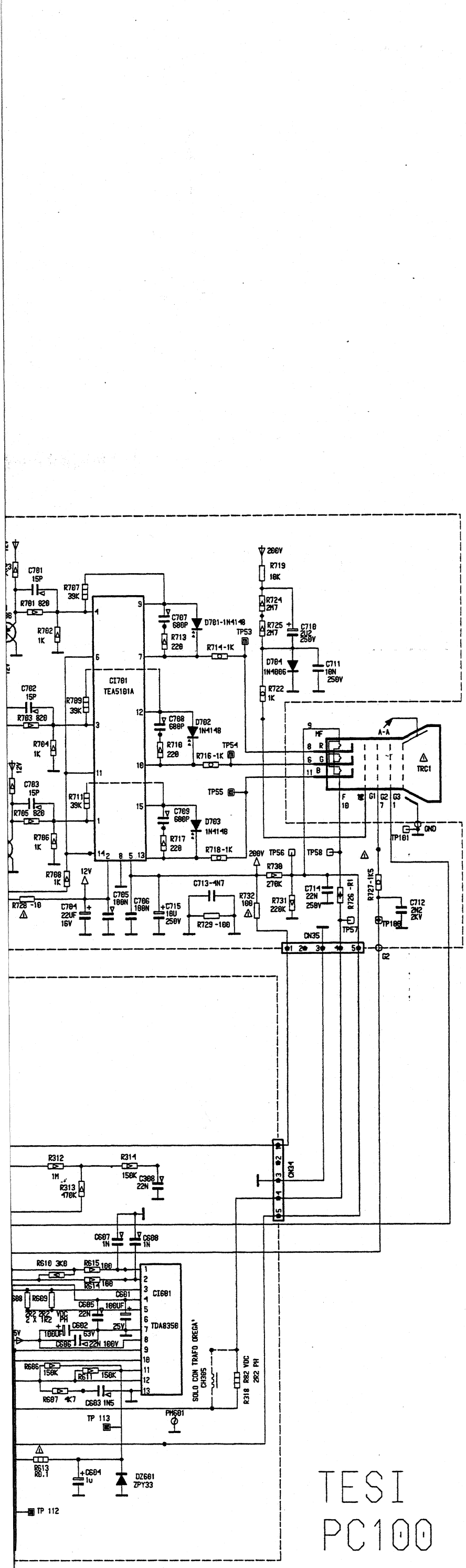
LES MESURES SONT EFECTUEES AVEC SIGNAL: MIRE EN COULEUR MODULEE AU 100%
RILIEVI ESEGUITI CON SEGNALE: BARRE COLORE MODULATE AL 100%



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